

## ff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, iST-v

ff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, iŠK'w<sup>o</sup>\'c, ðŽ<sup>o</sup>, Áff<sup>o</sup>[f^fx<sup>o</sup>[fXfuf%o fEfU, Á<sup>o</sup>C^È%o<sup>o</sup>, Á<sup>o</sup>à-¾, ., é, æ, ø, , E•O<sup>o</sup>W<@"\, ð"ø, ., Ä, c, Ü, ., O<sup>o</sup>BDelphi , i<sup>o</sup>»•ifo<sup>o</sup>[fWf<sup>o</sup>“, É, æ, Ä, ÄfpfbfP<sup>o</sup>[fW, É“ü, Ä, Ä, c  
éff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, a<sup>o</sup>Ü, É, è, Ü, ., B

Delphi ,ifo <sup>o</sup> [fWf <sup>o</sup> “	fGfNfXfvf <sup>o</sup> [f %o-¼	à-¾
Client/Server Suite	SQL fGfNfXfvf <sup>o</sup> [f %o	SQL Žg—p%o Á”\BfŠf, [fgfT <sup>o</sup> [fo <sup>o</sup> [ä, i SQL ff <sup>o</sup> [f^fx <sup>o</sup> [fX, ÉfAfNfZfX, ., é ff <sup>o</sup> [f^fffBfNfVf <sup>o</sup> [fjŠZg—p%o Á”\
Developer	ff <sup>o</sup> [f^fx <sup>o</sup> [fX fGfNfXfvf <sup>o</sup> [f %o	ff <sup>o</sup> [fjf <sup>o</sup> [f^fx <sup>o</sup> [fX, ., æ, Ñ Local InterBase Server (LIBS) ,ÉfAfNfZfX, ., é\BfT <sup>o</sup> [fhfp <sup>o</sup> [fefB, i ODBC fhf %o Cfo, ðŽg, ., i ODBC ï€ <sup>o</sup> , iff <sup>o</sup> [f^fx <sup>o</sup> [fX, ÉfAfNfZfX, ., é, a <sup>o</sup> CŠg'£ SQL fufWfFfNfgfuf%o fEfY, i T <sup>o</sup> [fg, µ, Ä, c, È, c ff <sup>o</sup> [f^fffBfNfVf <sup>o</sup> [fjŠZg—p%o Á”\
Desktop	ff <sup>o</sup> [f^fx <sup>o</sup> [fX fGfNfXfvf <sup>o</sup> [f %o	ff <sup>o</sup> [fjf <sup>o</sup> [f^fx <sup>o</sup> [fX, ÉfAfNfZfX, ., é

1 Ží—þ, Ü, ½, í 2 Ží—þ, ifo<sup>o</sup>[fWf<sup>o</sup>“, iff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, Ä, µ, © Žg— p, Ä, ., È, c<@"\, É, Ä, c, Ä, i Cfwf<sup>o</sup>fvgfsfbfN, i<sup>o</sup>t, Ä, ., i Ž|, ð<L<sup>o</sup>Ú, µ, Ä, c, Ü, ., B

ff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, Ä, i Cff<sup>o</sup>[f^fx<sup>o</sup>[fX, Ö, i Ž<sup>o</sup>‘±”I, È<sup>o</sup>Ú‘±, ð’È, µ, Ä^È%o<sup>o</sup>, i, ± ,Æ, a<sup>o</sup>s, ., Ü, ., B

- fe<sup>o</sup>[fuf<CftfB<sup>o</sup>[f<sup>o</sup>f<sup>o</sup>fh<sup>o</sup>CfXfgfAfhfvf<sup>o</sup>fV<sup>o</sup>[fWff, i<sup>o</sup>è<sup>o</sup> ` CfgfŠfK<sup>o</sup>[CfCf“ffffbfNfX, È, Ç, iff<sup>o</sup>[f^fx<sup>o</sup>[fXfT<sup>o</sup>[f o<sup>o</sup>[CfÄ—L, ifXfL<sup>o</sup>[f] fufWfFfNfg, ifuf%o fEfY, Æ•O<sup>o</sup>W
- fe<sup>o</sup>[fuf<ff<sup>o</sup>[f^, i<sup>o</sup>€<sup>o</sup> (ff<sup>o</sup>[f^, i<sup>o</sup>—C•ž; C•O<sup>o</sup>W)
- ff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfŠfAfX, i<sup>o</sup>—, ÆŠC—
- ff<sup>o</sup>[f^fx<sup>o</sup>[fX, Ö, i<sup>o</sup>–, c<sup>o</sup>#, i<sup>o</sup>, i<sup>o</sup>, ½, ß, i SQL •¶, ., ü—í
- ff<sup>o</sup>[f^fffBfNfVf<sup>o</sup>[fjŠ, i<sup>o</sup>—, ÆŠC—, C, ., æ, Ñ’®<sup>o</sup>«fZfbfg (Delphi Client/Server Suite ,Æ Delphi Developer ,i, Y)
- BDE Administrator , ðŽg—p, µ, ½ Borland Database Engine iBDE<sup>o</sup>j, iŠÅ««Ý’è

{button ,AL(`intro') } ff<sup>o</sup>[f^fx<sup>o</sup>[fXfGfNfXfvf<sup>o</sup>[f%o, É, Ä, c, Ä, ., », i<sup>o</sup>¼, ifgfsfbfN

## ff<sup>o</sup>[f^fx][fxGfNfXfvf][f%o]fEfBf“fhfE

ff<sup>o</sup>[f^fx][fxGfNfXfvf][f%o]fEfBf“fhfE, Ä, íCff[f^fx][fX, íñ•ñ, ä 2 , Ä, ífyfCf“, É•\ž, <sup>3</sup>, ê, Ü, ·B  
¶¶fyfCf“, É, íflufWfFfNfg, ífcfŠ[SK’w, <sup>a</sup>•\ž, <sup>3</sup>, ê, Ü, ·B  
¶mff[f^fx][fx][nfy][fW, É, íCff[f^fx][fX, íGfŠfAfX, <sup>a</sup>•\ž, <sup>3</sup>, ê, Ü, ·B  
¶mfffBfNfVfifS[nfy][fW  
É, íCff[f^fffBfNfVfifS, Éžæ, èž, Ü, ê, <sup>1</sup>/2ff[f^fx][fx]Cfe[fuf<]C, „, æ, Ñ’®«fZfbfg, <sup>a</sup>•\ž, <sup>3</sup>, ê, Ü, ·B  
‰EfjfCf“, É, íC¶¶fyfCf“, Ä<<sup>’2</sup>•\ž, <sup>3</sup>, µ, <sup>1</sup>/2flufWfFfNfg, í’tg, É, Ä, ç, Ä•\ž, <sup>3</sup>, µ, <sup>1</sup>/2Cf^fu•t, «fy][fW, <sup>a</sup>, , è, Ü, ·B‰EfjfCf“, íf^fu•t, «fy][fW, íC¶¶fyfCf“, Ä<<sup>’2</sup>•\ž, <sup>3</sup>, µ, <sup>1</sup>/2flufWfFfNfg, É, æ, Á, Ä•Ü, È, è, Ü, ·Bf^fu•t, «fy][fW, ðŽQ]Æ, µ, Ä, , <sup>3</sup>/4, <sup>3</sup>, ç·B  
¶¶fyfCf“, ÄflufWfFfNfg, í‰o, É•\ž, <sup>3</sup>, ê, Ä, ç, efvf  
‰oX<L]t]i+])íC, »íflufWfFfNfg, <sup>a</sup>žqflufWfFfNfg, ðŠÜ, ñ, Ä, ç, é, ±, Æ, ðž, <sup>3</sup>, µ, Ä, ç, Ü, ·BžqflufWfFfNfg, <sup>a</sup>•\ž, , è, É, íC+, , ðfNfŠfbfN, <sup>3</sup>, µ, Ü, ·BžqflufWfFfNfg, <sup>a</sup>•\ž, <sup>3</sup>, è, è, /ÆC+, , íf}fCfjX<L]t]i-])í, È•í, è, Ü, ·BCE<sup>3</sup>, É-ß, , È, í -  
ðfNfŠfbfN, <sup>3</sup>, µ, Ü, ·B¶¶fyfCf“, í<sup>’1</sup>/4, í<L]t, É, Ä, ç, Ä, íC<L]t, ðŽQ]Æ, <sup>3</sup>, µ, Ä, , <sup>3</sup>/4, <sup>3</sup>, ç·B  
¶¶fyfCf“, É, , è, È, íCflufWfFfNfg, ðf\_fuf<NfŠfbfN, <sup>3</sup>, µ, Ü, ·B  
‰oEfjfCf“, É, íCf\_fuf<NfŠfbfN, <sup>3</sup>, µ, <sup>1</sup>/2flufWfFfNfg, É, Ä, ç, Ä•\ž, <sup>3</sup>, µ, <sup>1</sup>/2f^fu•t, «fy][fW, <sup>a</sup>•\ž, <sup>3</sup>, è, È, íC  
‰oEfjfCf“, É, íCff[f^fx][fX, í TYPE]CPATH]C, „, æ, Ñ DRIVER NAME  
, È, Ç, ífvf]fpfefB, ðŠÜ, ñ, <sup>3</sup>/4m’è<`¶nfy][fW, <sup>a</sup>•\ž, <sup>3</sup>, è, Ü, ·B<sup>’3</sup>/4žš, Äž, <sup>3</sup>, è, Ä, ç, éfpf  
‰o]f][f^, í•í]X, Ä, «, Ü, <sup>1</sup>, ñ·B‰EfjfCf“, É•\ž, <sup>3</sup>, è, Ä, ç, é, »í<sup>’1</sup>/4, ífpf‰o]f][f^, í•í]X, Ä, «, Ü, ·B

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{button ,AL(`UI') } ff<sup>o</sup>[f^fx][fxGfNfXfvf][f%o]ft][fU][fCf“f^][ftfF][fx

<Lot

¶¶fyfCf“, ÅflfufWfFfNfg, ï¶¶, É•\ž|, ³, ê, é<Lot, ð^È‰oº, Éž|, µ, Ü, ·¶B

## fAfCfRf“

## ^Ó-i

—î, ïf{fbfNfgX Šj, ç, Ä, ç, éff[f^fx][fx]Bf+ [fu][íCff[f^fx][fx]“à, ïflfufWfFfNfg, ð•\ž|, Å, «, é  
—î, ï-^ó •ÒWf, [fh, É, , éflfufWfFfNfgB•ïX’íÜ, AE, È, é, ï, íC, ±  
, ïflfufWfFfNfg, AE, », é, É]’®, ·, éflfufWfFfNfgB•ïX”à—e, í”½‰f, ³, ê, Ä, ç, È, ç  
“ \_Å, ·, é—î, ï-^ó ¶V<K, É¶¶¬, ³, ê, ½flfufWfFfNfg  
¶O, ï X ¶«—^íœ, ³, ê, éflfufWfFfNfgB, ±  
, ïflfufWfFfNfg, Ü, ½, íeflfufWfFfNfg, É’í, ·, é•ïX, aX¶V, ³, ê, é, AE¶C, ±  
, ïflfufWfFfNfg, ííœ, ³, ê, éB¶mflfvfvf”(P)¶nf¶fjf...  
¶[, l¶m•Ö¶WZž, ÉSm”F(E)¶n, ðf`fFfbfN, µ, Ä, ç, È, ç  
, AE¶CflfufWfFfNfg, í, ½, ¾, ï, Éíœ, ³, ê, é

## •ïX”à—e, ï“K—p

•ïX”à—e, ð“K—p, ·, é, É, íC^È‰oº, ižè¶‡, É¶], ç, Ü, ·¶B

1. •ïX, ð“K—p, ·, é¶ê¶Š, É, , é-^ó, ðfNfŠfbfN, µ, Ü, ·¶B

2. %oEfNfŠfbfN, µ, Ä¶m¶X¶V(A)¶n, ð'l'ð, ·, é, ©¶C¶m¶X¶V¶nf{f^f“, ðfNfŠfbfN, µ, Ü, ·¶B 

’^Ó: ¶O, ï-^ó, ífGf‰¶[, ðž|, µ, Ü, ·¶B, ±, ïfŒfxf, É’í, µ, Ä, íCfGf‰¶[, aC]³, ³, ê, é, Ü, Ä•ïX, ð“K—p, Å, «, Ü, ¹, ñ¶B

{button ,AL(`UI')} ff[f^fx][fx]GfNfXfvf¶¶[f‰¶ft][fu][fCf“f^¶[ftfF¶[fx

## f^fu•t,«fy□[fW

¶¶fyfCf“,Å'ı'ð,ð□s,¤,Æ□C‰œEfjfCf“,ì^È‰œ,ìf^fu•t,«fy□[fW,ð—LŒø,É,·,é,±,Æ,¤,Å,«,Ü,·□B

%œEfjfCf“fy□[fW    □à-¾

□m'è<`□n            ¶¶fyfCf“,Å<'²•\Ž|,³,ê,Ä,¢,éflufufWfFfNfg,ìfpf  
‰œf□□[f^,Ü,½,ífvf□fpfeFB,ð•\Ž|,·,é

□m^ê—□n            ¶¶fyfCf“,Å<'²•\Ž|,³,ê,Ä,¢  
,éœflufufWfFfNfg“à,ÉSÜ,Ü,ê,éflufufWfFfNfg,ð•\Ž|,·,é

□mff□[f^□n            'l'ð,µ,Ä,¢,éfe□[fuf<□Cfrf...□[□C,Ü,½,ífvfmjjf€“à,ìff□[f^,ð•\Ž|,·,é

□mSQL •¶,ì“ü—í□n    SQL •¶,ð“ü—í,Å,«,éfEfBf“fhfE,ð•\Ž|,·,é

□mfefLfXfg□n        'l'ð,µ,½ SQL flufufWfFfNfg,ì□ì□¬,É•K—v,ÈfefLfXfg,ð•\Ž|,·,é

ft□[fU□[,í□C•W□€□“ì,ìfpf‰œf□□[f^,É,Å,¢,Ä•í□X,Å,«,Ü,·□B'¾Žš,ìfpf‰œf□□[f^,É,Å,¢  
,Å,í•í□X,Å,«,Ü,¹,ñ□B

¶mff□[f^□nfy□[fW,ìfe□[fuf<,É'î,µ,Ä□',«□ž,ÝfAfNfZfX,¤-‰œÅ,³,ê,Ä,¢  
,é,í□C,»,ìfceR□[fh,Ö,ì“ü—í,Æ•Ö□W,¤□s,!,Ü,·□B

%œEfjfCf“,ÅŽg—p,Å,«,éfy□[fW,í□CŒ»Ý□¶fyfCf“,Å'ı'ð,µ,Ä,¢  
,éflufufWfFfNfg,É,æ,è^Ü,É,è,Ü,·□B

{button ,AL(`UI')} ff□[f^fx□[fXfGfNfXfvf□□[f‰œft□[fU□[fCf“f^□[ftfF□[fX

## **f□fjf...□[fRf}f“fh**

ff□[f^fx□[fXfGfNfXfvf□□[f%o,íf□fjf...□[fo□[,Å—~—p,Å,«,éfRf}f“fh,É,Â,¢,Ä,í□C^È  
‰o°,ífgfsfbfN,ðŽQ□Æ,µ,Ä,,³/4,³,¢□B

mflufWfFfNfg(0)□nfRf}f“fh

mfffBfNfVf#fifŠ(D)□nfRf}f“fh

m•Ø□W(E)□nfRf}f“fh

m•\Ž;(V)□nfRf}f“fh

mflfvfVf#f“(P)□nfRf}f“fh

mfwf<fv(H)□nfRf}f“fh

fRf“fefLfXfgfRf}f“fh□i□mff□[f^□nfy□[fW□i

fRf“fefLfXfgfRf}f“fh□i□mSQL •¶,ì“ü—í□nfy□[fW□i

fRf“fefLfXfgfRf}f“fh□iBLOB fGfNfXfvf□□[f%o□i

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{button ,AL(`UI') } ff□[f^fx□[fXfGfNfXfvf□□[f%o,f□[fU□[fCf“f^□[ftfF□[fX

## **mfIufWfFfNfg(O)nfRf}f“fh**

—~—p,Å,«,é mfIufWfFfNfg(O)nfRf}f“fh,ð^È‰‰,ÉŽ|,μ,Ü,·B,±  
,ê,ç,ífRf}f“fh,íCff[f^fx[fXfGfNfXfvf][f‰,Å’ð,μ,½flfufWfFfNfg,ð  
‰EfNfSfbfN,μ,½,Æ,«,É•\Z|,³,ê,éfRf“fefLfxfgf][fj...][,Æ,μ,Å,à—~—p,Å,«,Ü,·B

### **fRf}f“fh**

### **à-¾**

<u>mŠJ,(O)</u> n	<’2•\Z ,³,ê,½flfufWfFfNfg,ðŠJ,
<u>m•Å,¶,é(C)</u> n	<’2•\Z ,³,ê,½flfufWfFfNfg,ð•Å,¶,é
<u>mV&lt;K]n¬(N)</u> n	<’2•\Z ,³,ê,½flfufWfFfNfgfNf‰,fCf“fXf^f“fX,ð]n¬,·,é
<u>míœ(D)</u> n	<’2•\Z ,³,ê,½flfufWfFfNfg,ðíœ,·,é
<u>m-½ì•í]X(M)</u> n	flfufWfFfNfg,ì-½’O,ð•í]X,·,é
<u>m]X]V(A)</u> n	•í]X“à—e,ð•Ù’¶,·,é
<u>mfLfff“fZf&lt;(L)</u> n	Œ»]Y]s,Á,Ä,¢,é’€]ì,ðŽæ,è]Á,·
<u>m-½’O,ð•t,·,Ä•Ù’¶(S)</u> n	•Ù’¶,ì]Û,Æ,È,é SQL flfufWfFfNfg,ì-½’O,ðŽw’è,·,é
<u>mfhf‰,fCfo,]fo][fWf+f“</u> n	fCf“fXfg][f<,³,ê,½ BDE DLL ,Æfhf ‰,fCfo,]fo@fCf<,ì]Û,ð•ñ,ð•\Z ,·,é
<u>mfhf‰,fCfo]Y’è</u> n	’l’ð,³,ê,½ff][f^fx][fX,É’î,μ,Ä]CODBC Administrator ,Ü,½,í”K]Ø,Éfxf“f_<Y<,ì SQL ŠA<<]Y’èft][fefBfSfefB,ð<N“®,·,é
<u>mODBC Administrator</u> n	ODBC Administrator ,ð<N“®,μ,Ä]CODBC fhf ‰,fCfo,ð]Y’è,·,é
<u>mBDE Administrator</u> n	BDE Administrator ,ð<N“®,μ,Ä]CBDE ,Ü,½,íff][f^fx][fXfhf‰,fCfo,ÆfGfSfAfX,ð]Y’è,·,é
<u>mfffBfNfVf+fifš,ÖŽæ,è]ž,Ý</u> n	’l’ð,³,ê,½flfufWfFfNfg,©,çŒ»]Y,ìfffBfNfVf+fifš,ÉfXfL][f} ìÛ,ðŽæ,è]ž,þ
<u>m]I-¹(X)</u> n	ff][f^fx][fXfGfNfXfvf][f‰,ð]I-¹,·,é

{button ,AL(`menus') } f]fj...][fRf}f“fh

## **fffBfNfVftfifŠ(D)fRf}f“fh**

**fRf}f“fh**

**à-¾**

m'łð(S)n

mfffBfNfVftfifŠ, i'ł'ðnf\_fCfAfOf{fbfNfX, ©, cšù'ł, jff[f^f  
ffBfNfVftfifŠ, ð'ł'ð, ., é

m“o~^(R)n

mData  
DictionariesnfšfXfg, ÉV, μ, cff[f^fffBfNfVftfifŠ, ð“o~^, ., é

m“o~^íœ(U)n

mData  
DictionariesnfšfXfg“à, jff[f^fffBfNfVftfifŠ, i“o~^, ð-  
• Á, ., éB“o~^, i-  
• Á, Á, jff[f^fffBfNfVftfifŠ, ííœ, ^, , CmfffBfNfVftfifŠ, i'ł  
'ðnf\_fCfAfOf{fbfNfX, E•\ž, ^, ê, É, ç, æ, x, É, É, é

mV<K>ì¬(N)n

V, μ, cff[f^fffBfNfVftfifŠ, ðì¬, ., é

míœ(D)n

ff[f^fffBfNfVftfifŠ, ðíœ, ., é

mff[f^fx]fx, ©, cžæ, èž, Ŷ(M)n

šù'ł, jff[f^fx]fx, ©, cff[f^fffBfNfVftfifŠ, ÉfxfL[f]ł•ñ, ðž  
æ, èž, p

mftf@fCf, ©, cžæ, èž, Ŷ(I)n ftf‰fbfgftf@fCf, ©, cł', «o, ^, ½fffBfNfVftfifŠ, i“à  
—e, ðžæ, èž, p

mftf@fCf, Ö', «o, μ(E)n ff[f^fffBfNfVftfifŠ, ðftf‰fbfgftf@fCf, É', «o, ·B, ±  
, jflfvfVftf, i•j, išj"ŽOŠÔ, Áff[f^fffBfNfVftfifŠ, ð<ø—  
L, ., éê‡, E•Ö—

{button ,AL(`menus') } fff...[fRf}f“fh

## **Óm•ÓW(E)nfRf}f“fh**

<b>fRf}f“fh</b>	<b>à-¾</b>
<u>mŒ³,É-ß,·(U)</u>	'¼'Ó,ÉŽÀs,μ,½fRf}f“fh,ðŽæ,èÁ,·B,Ü,½CfefLfxfg,ð'¼'Ó,ìó' Ô,É-ß,·
<u>mØ,èŽæ,è(T)</u>	'l'ð,μ,½fefLfxfg,ðØ,èŽæ,é
<u>mfRfs](C)</u>	'l'ð,μ,½fefLfxfg,ðfRfs[],·,é
<u>m“\,è•t,¬(P)</u>	'l'ð,³,ê,½^Ê'u,É•¶žš—ñ,ðfy[fXfg,·,é
<u>míœ(D)</u>	'l'ð,³,ê,½fefLfxfg,ðíœ,·,é
<u>m,·,x,Ä'l'ð(L)</u>	mSQL •¶,l“ü— ínfy[fW,Ü,½,ímfefLfxfg]nfy[fW,É, ,é,·,x,Ä,]fefLfxfg,ð'l'ð,·,é
<u>mfefLfxfg(T)</u>	IDE ,©,cff[f^fx[fXfGfNfxfv]f% , <sup>a</sup> N“®,³,ê,½êCfR[fhfGfffBf^,Å'l'ð,³,ê,½ SQL flfufWffNfg,ð•ÓW,Å,«,é,æ,x,É,·,é

{button ,AL(`menus') } f[f...][fRf}f“fh

## **□m•\Ž|(V)□nfRf}f“fh**

<b>fRf}f“fh</b>	<b>□à-¾</b>
<u>□mfC□[f&lt;fo□[(T)□n</u>	f`fFfbfN,·,é,Æ□Cff□[f^fx□[fXfGfNfXfvf□□[f%o,ì‰œ- Êä,Éfc□[f<fo□[,²•\Ž ,³,ê,é□Bfc□[f<fo□[,É,í□C□mŠJ,- (O)□n□C□m□í□œ(D)□n□C□mfLfff“fZf<(L)□n□C□m□X□V(A)□n □C□mBLOB fGfNfXfvf□□[f%o□n,É,C,ìf□fif... □[fo□[fRf}f“fh,Æ“-”™,ì@“,ðŽ□,ÁfAfCfRf“,²—p^Ó,³,ê,Ä,¢,é
<u>□mfXfe□[f^fxfo□[(B)□n</u>	f`fFfbfN,·,é,Æ□Cff□[f^fx□[fXfGfNfXfvf□□[f%o,ì‰œ- Êä,ÉfXfe□[f^fxfo□[,²•\Ž ,³,ê,é□BfXfe□[f^fxfo□[,É,í□C□¶fyfCf“,Å<²•\Ž ,μ,½flfufWfFfNfg,É, ,é□€-Ú,ì□”,²Ž ,³,ê,é
<u>□mBLOB fGfNfXfvf□□[f%o(E)□n</u>	,±,ìfRf}f“fh (.,,æ,Ñ□mBLOB ,ì•\Ž □nfc□[f<fo□[fAfCfRf“),i BLOB fGfNfXfvf□□[f%o,ðŠJ,□B,± ,ìfEfBf“fhfE,í'l'ð,μ,½ BLOB□í'å,«,ÉfofCfjŠflfufWfFfNfg□j,ðfOf ‰oftBfbfNfCf□□[fW,Ü,½,ífefLfXfg,Æ,μ,Ä•\Ž ,·,é
<u>□mfVfXfef€ff□[f^(S)□n</u>	f`fFfbfN,·,é,Æ□CSQL fT□[fo□[,ìfVfXfef€fe□[fuf<□CIinterBase ,ìfVfXfef€Cf“ffffbfNfX,ÆfVfXfef€fgfŠfK□[,É,C,ìfVfXfef€ff□[f ^,ð•\Ž ,·,é□BfVfXfef€ff□[f^,ðŒ©,é•K—v,³,È,¢□ê□‡,í□C,± ,ì□€-Ú,ì`fFfbfN,ð,í,,·
<u>□m'S□í•ñ(C)□n</u>	]’@flfufWfFfNfg,ìfcfŠ□[‘S’ì,É’î,·,éfefLfXfg,ð•\Ž ,·,é□B,± ,ìfefLfXfg,í•Ó□W,Å,«,È,¢
<u>□mSQL □X□VfefLfXfg□n</u>	f`fFfbfN,·,é,Æ□C•í□X,ð“K— p,·,é□ê□‡,É'l'ð,μ,½flfufWfFfNfg,É'î,μ,ÄžÀ□s,·,é-â,¢□‡,í,¹,ð•\Ž ,Å,«,é
<u>□m'å,«,¢fAfCfRf“(G)□n</u>	f`fFfbfN,·,é,Æ□C□¶fyfCf“,Å'l'ð,μ,Ä,¢,éflfufWfFfNfg,ì“à—e,ð ‰EfjfCf“,É'å,«,¢fAfCfRf“,Å•\Ž ,·,é
<u>□m□¬,³,¢fAfCfRf“(S)□n</u>	f`fFfbfN,·,é,Æ□C□¶fyfCf“,Å'l'ð,μ,Ä,¢,éflfufWfFfNfg,ì“à—e,ð ‰EfjfCf“,É□¬,³,¢fAfCfRf“,Å•\Ž ,·,é
<u>□m^ê—(L)□n</u>	f`fFfbfN,·,é,Æ□C□¶fyfCf“,Å'l'ð,μ,Ä,¢,éflfufWfFfNfg,ì“à—e,ð ‰EfjfCf“,É^ê——•\Ž ,·,é
<u>□m□Ú□x(D)□n</u>	f`fFfbfN,·,é,Æ□C□¶fyfCf“,Å'l'ð,μ,Ä,¢,éflfufWfFfNfg,ì□Ú□x□í•ñ,ð ‰EfjfCf“,É^ê——•\Ž ,·,é
<u>□mŽ©“®□®—ñ(A)□n</u>	□mŽ©“®□®—ñ(A)□n,í Windows 95 ,ìfGfNfXfvf□□[f%o,Æ“-,¶,æ,¤ ,É“®□ì,·,é□Bfy□[fW,ìfTfCfY,²•í□X,³,ê,Ä,¢,é,í□C□m^ê— □nfy□[fW,ìfAfCfRf“,ðŽ©“®“I,É□®—ñ,³,¹,é
<u>□m,Ð,Æ,Ä’O,É-ß,é(P)□n</u>	¶¶,ìfyfCf“,ì’½’O,É’l'ð,μ,½flfufWfFfNfg,É-ß,è,Ü,·□B
<u>□m□Å□V,ì□í•ñ,É□X□V(R)□n</u>	Œ»íY’l'ð,μ,Ä,¢,éff□[f^fx□[fXfGfNfXfvf□□[f%o ,ìflfufWfFfNfg,É'î,μ,Ä—LŒø,Å, ,é,í□CfT□[fo□[í•ñ,ðŽæ“³/4,μ,Ä□C, »,ìflfufWfFfNfg,ÆŽqflfufWfFfNfg,ð□Ä•`‰œ,·,é

{button ,AL(`menus') } f□fjf...□[fRf}f“fh

## **□mflfvfVftf“(P)□nfRf}f“fh**

<b>fRf}f“fh</b>	<b>□à-¾</b>
<u>□mSQL(Q)□n</u>	f‰oCfufNfGfŠ□[,đŠÜ,ñ,¾- â,¢,í,¹Œ`Ž®flfvfVftf“,đŽ’è,·,éBf`fFfbfN,·,é,ÆC- â,¢,í,¹,À•Ô,³,ê,éŒ<%oÈfZfbfg,²•ÔW‰oÂ”\ ,Æ,È,éBTQuery ,ì RequestLive fvflfpfefB,Æ“-,¶
<u>□mfgf‰o“fUfNfVftf“r’¹/₄fŒfxf&lt;(T)□n</u>	SQL fT□[fo□[,³Žg—p,·,éfgf ‰o“fUfNfVftf“r’¹/₄fŒfxf<,đŽw’èBmf_□[fefB“Ç,ÝŽæ,è(D) □nC□mfRf~fbfg“Ç,ÝŽæ,è(C)□nC,Ü,½,Ím”½•œ“Ç,ÝŽæ, è(R)□n,ì,¢,,ê,©,đŽw’è
<u>□m‰E’[,À]Ü,è•Ô,·(O)□n</u>	f`fFfbfN,·,é,ÆC□mSQL •¶,ì“ü— Ín,Æ□mfefLfXfg□nfy□[fW,ÀfefLfXfg,ì ‰oÜs,đoùs,¤Bf`fFfbfN,µ,È,¢,ÆC□mEnter□n,đ ‰oÝ,·,Ü,À^êùs,Æ,µ,À^µ,¤
<u>□m•Ò□WŽž,ÉŠm”F(C)□n</u>	f`fFfbfN,·,é,ÆC•ïX,đŽÀùs,·,é’O,ÉŠm”F,ìf_fCfAf□fO,đ•\ Ž!,·,é
<u>□mŒx□□,đ•\ž;{(W)□n</u>	f`fFfbfN,·,é,ÆCfT□[fo□[‘€]’t,Éff□[f^,Ü,½,Íf□f^ff□[f^,³]’ œ,³,ê,½]êù,ÉŒx□□,đoù,
<u>□mfy□[fWŠÔ,]“-Šú(S)□n</u>	f`fFfbfN,·,é,ÆC□mff□[f^fx□[fX□nfy□[fW,©,ç□mfffBfNfVftf fŠ□nfy□[fW,É]Ø,è’Ô,!,½,Æ,«,ÉC’l’đ,µ,À,¢ ,éff□[f^fx□[fX,ìfXfL□[f}□ì•ñ,³l’đ,µ,À,¢ ,éfffBfNfVftfjŠ,É”z'u,³,ê,é

{button ,AL(`menus') } f□fjf...□[fRf}f“fh

## **□mfwf<fv(H)□nfRf}f“fh**

**fRf}f“fh**

□à-¾

---

□m-ÚŽŶ(C)□n

fjf“f‰oCjf“fwf<fv,ì-ÚŽŶ,ð•\ž|,μ,Ü,·

□mfo□[fWf‡f“□í•ñ(A)□n

fo□[fWf‡f“, „,æ,Ñ’~□íŒ □í•ñ,ð•\ž|,μ,Ü,·

---

{button ,AL(`menus') } f□fjf...□[fRf}f“fh

## **fRf“fefLfxfgfRf}f“fh□i□mf□[f^□nfy□[fw□j**

%oEfjfCf“,É, ,é□mff□[f^□nf^fu“à,ð%oEfNfSfbfN,·,é,Æ□CfRf“fefLfxfgf□fjj...□[,^•\ Ž!,^,é,Ü,·□B,±,íf□fjj...□[fRf}f“fh,ðŽg,¤,Æ□Cf□[fg□CftfBf<f^□C,“,æ,Nff□[f^”í^í,í•\ Ž!,^,é,Ü,·□B

### **fRf}f“fh**

**□à-¾**

□mCE³,É-ß,·(U)□n

’¼’O,ÉŽÀ□s,μ,½fRf}f“fh,ðŽæ,è□Á,·□B,Â,Ü,è□C’¼’  
O,í□ó’Ô,É-ß,·

□m□Ø,èŽæ,è(T)□n

’l’ð,μ,Ä,¢,éfefLfxfg,ð□Ø,èŽæ,é

□mfRfs□[(C)□n

’l’ð,μ,½fefLfxfg,ðfRfs□[·,é

□m“\,è•t,¬(P)□n

’l’ð,^,é,½fefLfxfg,ðfy□[fxfg,·,é

□m□íœ(D)□n

’l’ð,^,é,½fefLfxfg,ð□íœ,·,é

□m,·,x,Ä’l’ð(L)□n

•Ò□Wf{fbfNfx,É, ,é,·,x,Ä,ífefLfxfg,ð’l’ð,·,é

□mfgf%of“fUfNfVf†f“šJžn(B)□n

SQL fgf%of“fUfNfVf†f“,ðšJžn,·,é

□mfgf%of“fUfNfVf†f“,ífRf~fbfg(M)□n

□^—□’t,ífgf%of“fUfNfVf†f“,ð□l—¹,·,é

□mfgf%of“fUfNfVf†f“.íf□□[f<fofbfN(R)□n

□^—□’t,ífgf%of“fUfNfVf†f“,ðŽæ,è□Á,·

□m□‡□~(O)□n

ñ□[fg,ífCf“fffbfNfx,ðŽw’è,·,é□Bf□[fg,μ,È,¢□é□‡,í  
<none>,ðŽw’è,·,é

□m”í^í(R)□n

•íŽ|,·,éff□[f^,í”í^í,ðŽw’è,·,é

□mftfBf<f^ (F)□n

ž®,ðŽg,Á,Ä•íŽ|,·,éff□[f^,ðŽw’è,·,é

{button ,AL(`UI') } ff□[f^fx□[fxfgfNfxfvf□□[f%offt□[fU□[fCf“f^□[ftfF□[fx

{button ,AL(`menus') } f□fjf...□[fRf}f“fh

## fRf“fefLfXfgfRf}f“fh□imSQL •¶,ì“ü—í□nfy□[fW□j

□mSQL •¶,ì“ü—í□nfy□[fW,ÅflfufWfFfNfg,ð<’2•\Z!,μ,Ä,¢,é,Æ,«,É□C,»,±,Ä  
‰EfNfSfbfN,·,é,ÆEfRf“fefLfXfgf□fjf...□[,³•\Z!,³,ê,Ü,·□B,±,jf□fjf...  
□[fRf}f“fh,í□CfEfBf“fhfE“à,Å SQL •¶,ì•Ó□W,Éžg—p,Å,«,Ü,·□B

### fRf}f“fh

□à-¾

□mCE³,É-ß,·(U)□n

’¼’O,ÉžÀ□s,μ,½fRf}f“fh,ðžæ,è□Á,·□B,Å,Ü,è□C’¼’O,ì□ó’Ô,  
É-ß,·

□m□Ø,èžæ,è(T)□n

’l’ð,μ,Ä,¢,éfefLfXfg,ð□Ø,èžæ,é

□mfRfs□[(C)□n

’l’ð,μ,½fefLfXfg,ðfRfs□[,,é

□m“\,è•t,¬(P)□n

’l’ð,³,ê,½fefLfXfg,ðfy□[fXfg,·,é

□m□Íœ(D)□n

’l’ð,³,ê,½fefLfXfg,ð□Íœ,·,é

□m,·,x,Ä’l’ð(L)□n

□mSQL •¶,ì“ü—í□nfy□[fW,É,·,x,Ä,ìfefLfXfg,ð’l’ð,·,é

□mftf@fCf<,©,ç“Ç,Ý□ž,Y□n fefLfXfgftf@fCf<,©,ç SQL •¶,ð“Ç,Ý□ž,þ

□mftf@fCf<,É•Û’¶□n

,±,ìfEfBf“fhfE,É“ü—í,μ,½ SQL  
•¶,ðfefLfXfgftf@fCf<,É•Û’¶,·,é

□mžÀ□s(X)□n

Œ»□Ý,ì SQL •¶,ðžÀ□s,·,é

□m,Ð,Æ,Ä’O,ì-â,¢□‡,í,¹□n

’¼’O,ì-â,¢□‡,í,¹,ð’l’ð,·,é

□mžÝ,ì-â,¢□‡,í,¹□n

žÝ,ì-â,¢□‡,í,¹,ð’l’ð,·,é

□mgf%o“fUfNfVf‡f“ŠJŽn(B)□n

SQL fgf%o“fUfNfVf‡f“,ðŠJŽn,·,é

□mgf%o“fUfNfVf‡f“,ìRf~fbfg(M)□n

□^—□’t,ìfgf%o“fUfNfVf‡f“,ð□l—¹,·,é

□mgf%o“fUfNfVf‡f“,ìf□□[f<fofbfN(R)□n

□^—□’t,ìfgf%o“fUfNfVf‡f“,ðžæ,è□Á,·

□mftfBf<f^^(F)□n

ž®,ðžg,Á,Ä-â,¢□‡,í,¹Œ<%oÊ,É•\Z!,·,éff□[f^,ðžw’è,·,é

{button ,AL(`UI') } ff□[f^fx□[fXfGfNfXfvf□□[f%o“fU□[fCf“f^□[ftfF□[fX

{button ,AL(`menus') } f□fjf...□[fRf}f“fh

## **fRf“fefLfxfgfRf}f“fh** iBLOB fGfNfxfvf‰[f‰o]j

BLOB fGfNfxfvf‰[f‰o], Å‰oEfNfŠfbfN, ·, é, Æ C ^ È‰o, jfRf}f“fh, ð' l' ð, Å, «, Ü, · B

### **fRf}f“fh**

à-¾

mí, Éžè’O, É•\ž; n

f`fffbfN, ·, é, Æ CBLOB fGfNfxfvf‰[f‰o], ã, Ü, ©, l, ·, x, Ä, jfEfBf“fhfE, æ, è•K, , ‘O, É•\ž;, ³, ê, é

mffffHf\ž; n

TGraphicsField , l“à—e, ð‰æ’œ, Æ, µ, Ä CTMemoField , l“à—e, ðfefLfxfg, Æ, µ, Ä•\ž;, ·, é B, Ü, ½ C, ±, l, Ü, ©, jftfB[f<fhf^fcfv, l ê‡, l<ó, É, È, é

m‰æ’œ, Æ, µ, Ä•\ž; n

BLOB fGfNfxfvf‰[f‰o], É CŒ» Ÿ, jftfB[f<fh“à—e, ð‰æ’œ, Æ, µ, Ä<§“l, É•\ž;, ³, ¹, é

mfefLfxfg, Æ, µ, Ä•\ž; n

BLOB fGfNfxfvf‰[f‰o], É CŒ» Ÿ, jftfB[f<fh“à—e, ðfefLfxfg, Æ, µ, Ä<§“l, É•\ž;

{button ,AL(`UI') } ff[f^fx[fXfGfNfxfvf‰[f‰o]ft[fU[fCf“f^ff[ftfF[fX

{button ,AL(`menus') } f[fif...][fRf}f“fh

## fL[]

^È‰‰,ífL[]('€)ì,É,æ,èC¶¶fyfCf“,É, ,éflufWfFfNfg,íŽqflufWfFfNfg,ð•\ž|/”ñ•\ž|,Å,«,Ü,·B

-Ú“I

flufWfFfNfg•\ž|,í“WŠJ  
(žqflufWfFfNfg,í•\ž|)  
flufWfFfNfg•\ž|,ík¬  
(žqflufWfFfNfg,í”ñ•\ž|)  
fcfš[]('S'ì,í•\ž|  
(‘Sfcefxf<,í•\ž|)

fL[]

ík+íl,Ü,½,í‰‰E-í^ó  
ík-íl,Ü,½,í¶-í^ó  
ík\*íl(fAfXf^fŠfXfN)

{button ,AL(`UI')} ff[]f^fx[]fXfGfNfXfvf[]f‰oft[]fU[]fCf“f^[]ftfF[]fx

## fffBfNfVftifS\_nfynfW

fffBfNfVftifS\_nfynfW, É, íCff[f^fffBfNfVftifS, Ä—~—p‰oÂ'\  
Éff[f^fx[fX, Ä'@«fZfbfg, ^ž, é, Ü, ·BmfffBfNfVftifS\_nfynfW, ð•\  
ž, ., é, É, íCff[f^fx[fXfGfNfXfvf[], f‰oo  
í¶¶fyfCf", lmfffBfNfVftifS\_nf^fu, ðfNfSfbfN, µ, Ä,, ¾, ³, ¢B  
ff[f^fffBfNfVftifS, íCDelphi, lff[f^fZfbfg, lftfB[f<fhfRf"fl  
ff[f^fg, i@«fZfbfg, ðŠi", ., é, ½, ß, Éžg, x"Ážé, Éff[f^fx[fX, Ä, ·B'@«fZfbfg, íCftfB[f<  
fhfRf"fl[]f^fg, lfvf[fpfefB[CftfB[f<fh, lCE^C, , æ, NftfB[f<fhfRf"fl[]f^fg, ðftfH[f€  
, Ü, Áfhf‰fbfO, µ, ½, Ä, «, É, i, à, l, Ä, ·B'@«fZfbfg, lff[f^fffBfNfVftifS, ÉŠi", ., é, ±  
, Ä, Ä, C1, Ä, lfrf"fl[]f^fg, lfvf[fpfefB, 1‰oñY'e, ., é, ¾, Ä, , Y, C", ¶fvf[fpfefB, ð<x—  
L, ³, ¹, é, ¼, lftfB[f<fhfRf"fl[]f^fg, É, », i@«fZfbfg, ð"K—p, ., é, ±, Ä, ¾‰oÂ'\, É, È, è, Ü, ·B  
C, lff[f^fx[fX, É, ¹, µ, Ä, à, @«fZfbfg, ð)–, ., é, ±  
, Ä, ³, Ä, «, Ü, ·Bff[f^fffBfNfVftifS, Éff[f^fx[fX, ðŽæ, è, ž, ß, išù'¶, lff[f^fx[fX, ©, ç, ®  
«fZfbfg, ð'h¶, ³, ¹, é, ±, Ä, «, Cff[f^f, fWf...fl, Ü, ½, lftfH[f€, Áff[f^fZfbfg, ð^µ, x  
, Ä, «, ÉftfB[f<fhfGffffBf^, ©, ç, ®«fZfbfg, ð'¼Û)–, ., é, ±, Ä, à, Ä, «, Ü, ·B  
—~—p‰oÂ'\, Éff[f^fx[fX, Ä'@«fZfbfg, ð•\  
ž, ., é, É, íC¶¶fyfCf", lfcfS, ðfNfSfbfN, µ, Ä, "WŠJ, µ, Ä, -  
¾, ³, ¢BmfffBfNfVftifS(D)nf[]fif..., ðŽg, x  
, Ä, Cff[f^fffBfNfVftifSflufWfFfNfg, ð)–, , æ, N•ÒW, Ä, «, Ü, ·B, Ü, ½C  
‰EfytCf", lf^fu•t, «fy[]fW, lCE»Y, i, Y'e, ð•ž, C•ÒW, ., é, ±, Ä, à, Ä, «, Ü, ·B  
SQL ft[fo[], Ä, i, §-ñ, ÄfffftHf<fg, ðŽæ, è, ž, ß, Ü, ·B, ±, i, @"\", ð—~—  
p, ;, é, É, íCffffBfNfVftifS, ð)–V, µ, i, –, ;, é, ©, CCE»Y, lffffBfNfVftifS, ðfAfbfvfOfCE[fh, ;, é, K  
—v, ³, , è, Ü, ·B, U, x, È, Ä, ¢, Ä, íCffffBfNfVftifS, Ä, §-ñ, ðŽQ, Ä, µ, Ä, ¾, ³, ¢B  
ff[f^fffBfNfVftifSflufWfFfNfg, i, –, , æ, Nff[f^fx[fXfGfNfXfvf[], f‰oo, i¶¶  
‰oE, lfyfCf", Ä, i, ¾, ³, ð‰ož, É, Ä, ¢, Ä, i, U, x, ðŽQ, Ä, , é, É, i, C, È‰oo, lf{f^f", ðfNfSfbfN, µ, Ä, -  
¾, ³, ¢B

---

{button ,AL(`repo') } fffBfNfVftifS, È, Ä, ¢, Ä, lfgfsfbfN

{button ,AL(`UI') } ff[f^fx[fXfGfNfXfvf[], f‰ooft][fU][fCf"f^][ftfF][fX

## **ffffBfNfVftfifS, iñiñiñ**

ffffBfNfVftfifS, ðñiñiñ, ·, é, É, íñCŽÝ, ñžèñt, Éñ], Á, Ä, , ¾, ³, çñB

1. ñ¶ífyfCf“, ñmffffBfNfVftfifSñnf^fu, ðfNfŠfbfN, µ, Ü, ·ñB

2. ñ¶ífyfCf“, ñffffBfNfVftfifSñflufWfFfNfg, ð'l'ð, µ, Ü, ·ñB

3. ffffBfNfVftfifSñflufWfFfNfg, ð‰‰EfNfŠfbfN, µ, Ü, ·ñB

4. fñfj...ñl, ©, çñmñV<Kñiñiñ(N)ñn, ð'l'ð, µ, Ü, ·ñB

5. ffffBfNfVftfifS, ñ-¼'O, ð"ü—í, µ, Ü, ·ñB

6. ffffBfNfVftfifS, ñfftñf^fxñlfXfGfŠfAfX, ð'l'ð, µ, Ü, ·ñB

7. ffffBfNfVftfifS, ñfftñf^—p, ñfeñ[fuf<, ñ-¼'O, ð"ü—í, µ, Ü, ·ñB

8. flfvfvftf“, Æ, µ, ÄñCffñf^ffffBfNfVftfifS, ñà-¾, ð"ü—í, Å, «, Ü, ·ñB

•K—v, Èñiñiñ, ñ"ü—í, ÆŽw'è, ñI, í, Å, ½, çñmOKñn, ðfNfŠfbfN, µ, Ü, ·ñB

**Šù'ñffffBfNfVftfifS, iñ"à—e, ðñV, µ, çñffffBfNfVftfifS, É' } “ü, ·, é, É, í**

1. ñmffffBfNfVftfifS(D)ñbftf@fCf<, Öñ', «ño, µ(E)ñn, ðŽg, Á, ÄñCŒ»ñY, ñffffBfNfVftfifS, iñ"à—e, ðftf@fCf<, É•Ü'¶, µ, Ü, ·ñB

2. ñmffffBfNfVftfifS(D)ñbñV<Kñiñiñ(N)ñn, ðŽg, Á, ÄñCñV, µ, çñffffBfNfVftfifS, ðñiñiñ, µ, Ü, ·ñB

3. ñmffffBfNfVftfifS(D)ñbftf@fCf<, ©, çžæ, èñž, Ŷ(I)ñn, ðŽg, Á, ÄñCfXfefbfv 1  
, Åñiñiñ, µ, ½ftf@fCf<, ðñV, µ, çñffffBfNfVftfifS, ÉŽæ, èñž, Ŷ, Ü, ·ñB

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{button ,AL(`repo')} [ffffBfNfVftfifS, É, Å, ç, Ä, ñfgfsfbfN](#)

**ff** [f^fffBfNfVfifS, Ö, Í'®«fZfbfg, Æfe][fuf<'è<` , Ížæ, èž, Ÿ

ff [f^fffBfNfVfifS, É'®«fZfbfg, Æfe][fuf<'è<` , ðžæ, èž, þ, É, íC^È‰º, ížè‡, É], Á, Ä,, ¾, ¢ B

1. mffffBfNfVfifS(D)nfjj...

[], ©, çmff [f^fx[fX, ©, çžæ, èž, Ÿ(M)n, ð'l'ð, µ, Ü, ·B]mff [f^fx[fX, ížæ, èž, Ÿ]nf  
\_fCfAf]fOf{fbfNfX, ^•\ž|, ^, ê, Ü, ·B

2. '®«fZfbfg, ížæ, èž, ŸCE³, Æ, É, éffffBfNfVfifS, ð'l'ðC, Ü, ½, í“ü—  
í, µ, Ä]mOK]n, ð'l'ð, µ, Ü, ·B

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{button ,AL(`repo')} } ffffBfNfVfifS, É, Ä, ç, Å, fgfsfbfN

## ‘@«fZfbfg,íXv

‘@«fZfbfg,ð•íX,·,é,É,íCŽY,íŽè‡,É],Á,Ä,,¾,³,¢B

1. ¶¶fyfCf“,íffffBfNfVfifSfIfufWfFfNfg,ðCAAttribute Sets flfufWfFfNfg,¤•\ Ž!,³,ê,é,Ü,Å“WŠJ,μ,Ü,·B

2. Attribute Sets flfufWfFfNfg,ì‰; ,í³• „,t,ðfNfŠfbfN,μ,ÄŽg—p,Å,«,é’@«fZfbfg,ð•\ Ž!,μ,Ü,·B

3. ¶¶fyfCf“,í•íX,·,é’@«fZfbfg,ð'l'ð,μ,Ü,·B‰Ef fyfCf“,É,ím'è<`nfyffW,¤•\ Ž!,³,ê,Ü,·B

4. -Ú”I,í’@«fZfbfg,ívffpfefB,ð•ÒW,μ,Ü,·B

5. ‘@«fZfbfg,ð‰Ef NfŠfbfN,μ,ÄfRf“fefLfXfgfifj...  
[],ðŒÄ,Ño,μCmXv(A)n,ð'l'ð,μ,Å’@«fZfbfg,És,Å,½•íX,ðŠm'è,μ,Ü,·B

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{button ,AL(`repo') } ffffBfNfVfifS,É,Å,¢,Å,IfgfsfbfN

## **¶V,μ,¢’®¶«fZfbfg,i¶i¬**

¶V,μ,¢’®¶«fZfbfg,ð¶i¶¬,·,é,É,í¶CŽY,íŽè¶‡,É¶],Á,Ä,,¾,³,¢¶B

1. ¶¶¶fyfCf“,jfffBfNfVftifSfIufWfFfNfg,ð¶CAtribute Sets flfufWfFfNfg,²•\ Ž!,³,ê,é,Ü,Å“WŠJ,μ,Ü,·¶B

2. Attribute Sets flfufWfFfNfg,ð‰EfNfŠfbfN,μ,ÄfRf“fefLfxfgf¶fjf...  
¶l,ðŒÄ,Ño,μ,Äm¶V<K¶i¶¬(N)¶n,ð'l,ð,μ,Ü,·¶B‰EfyfCf“,É,í¶m’è<`¶nfy¶[fW,²•\ Ž!,³,ê,Ü,·¶B

3. ¶¶¶fyfCf“,É’®¶«fZfbfg,i-¼’O,ð”ü—í,μ,Ü,·¶B

4. flfvfvf¶f“,Æ,μ,Ä¶C‰EfyfCf“,í¶m’è<`¶nfy¶[fW,ì’®¶«fZfbfg,É TField Class  
,ðŽw’è,Å,«,Ü,·¶BTField Class ,í¶Cff¶[f^fZfbfg,É’Ç  
‰Å,·,éff¶[f^ftfB¶[f<fh,½,ß,É¶i¶¬,·,éftfB¶[f<fhfRf“f|¶[flf“fg,ìŒ^,ðŽw’è,μ,Ü,·¶B

5. flfvfvf¶f“,Æ,μ,Ä¶C¶m’è<`¶nfy¶[fW,ì’®¶«fZfbfg,É TControl Class  
,ðŽw’è,Å,«,Ü,·¶BTControl Class ,í¶C,±  
,ì’®¶«fZfbfg,ðŽg,¤ftfB¶[f<fh,¤ftfB¶[f<fhfGffffBf^,©,çftfH¶[f€,Éfhf  
‰fbfO,³,ê,½,Æ,«,ÉftfH¶[f€,É’}“ü,³,ê,éff¶[f^fx¶[fx’í  
‰žfRf“fgf¶¶¶[f<,ìŒ^,ðŽw’è,μ,Ü,·¶B

6. ¶m’è<`¶nfy¶[fW,ì’®¶«fZfbfg,ìfvf¶fpfefB,ð¶Y’è,μ,Ü,·¶B

7. ¶¶¶fyfCf“,ì’®¶«fZfbfg,ð‰EfNfŠfbfN,μ,ÄfRf“fefLfxfgf¶fjf...  
¶l,ðŒÄ,Ño,μ¶C¶m¶X¶V(A)¶n,ð'l,ð,μ,Ä Attribute Sets  
flfufWfFfNfg,É’®¶«fZfbfg,ð’Ç‰Å,μ,Ü,·¶B

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{button ,AL(`repo')} fffBfNfVftifS,É,Å,¢,ìfgfsfbfN

## ‘@[]<fZfbfg

ff[] [f^fffBfNfVf+fifS“à,ì’@[]<fZfbfg,í[]C[]ÝŒvžž,É TField  
 ffufWfFfNfg,äftfB[] [f<fhfGfffBf^,©,çftfH[] [f€,Éfhf  
 %ofbfO,³,ê,½,Æ,«,Éž©“@“I,É[]i[]¬,³,ê,éftfB[] [f<fhŒ^ []Cfvf[] fpfefB[] C,“,æ,Ñff[] [f^fx[] [fX  
 ’%ožfRf“fgf[] [f<,É’%ož,μ,Ü,·[]B

‘@[]<fZfbfg,í[]Cff[] [f^fx[] [fXfGfNfXfvf[] [f%o,ì’t,Å[]C, ,é,¢  
 ,iftfB[] [f<fhfGfffBf^,©,ç[]i[]¬,Ä,«,Ü,·[]B

ftfB[] [f<fhfGfffBf^,©,ç’@[]<fZfbfg,ð[]i[]¬,·,é,É,í[]CžY,ížè[]‡,É[]],Á,Ä,,¾,³,¢[]B

1. flfufWfFfNfgfCf“fxfyfNf^,ðžg,Á,AftfB[] [f<fhRf“fl[] [flf“fg,ìfvf[] fpfefB,ð[]Y’è,μ,Ü,·[]B

2. ftfB[] [f<fhfGfffBf^“à,Å,»,ìftfB[] [f<fh,ð%oEfNfŠfbfN,μ,ÄfRf“fefLfXfgf[] fij...  
 ,ðŒÄ,Ñ[]o,μ,Ü,·[]B

3. m•Ü’¶(S)[]n,ð’l’δ,μ,Ä’@[]<fZfbfg,ÉftfB[] [f<fh,Æ““,¶-¾’O,ð•t, ,é,©[]C[]m-  
 ¼’O,ð•t, ,Ä•Ü’¶(A)[]n,ð’l’δ,μ,Ä’@[]<fZfbfg,É•È,ì-¾’O,ðžw’è,μ,Ü,·[]B

ff[] [f^fx[] [fXfGfNfXfvf[] [f%o,ì’¶fyfCf“,Å’@[]<fZfbfg,ä’l’δ,μ,Ä,¢  
 ,é,Æ,«,í[]C,»,ì’@[]<fZfbfg,ìfpf%o f[] [f^,²%oEfyfCf“,í[]m’è< []nfy[] [fW,É•\ž|,³,ê,Ü,·[]B,±  
 ,ìfpf%o f[] [f^,í•K-v,É%ož,¶,Ä•Ö[]W,Å,«,Ü,·[]BžY,í•\,ì’@[]<fZfbfg,ìfpf%o f[] [f^,Æ,»,í—  
 p“r,ì^é—,Å,·[]B

‘@[]<	[]à-¾
TField Class	ff[] [f^fZfbfg,ÉftfB[] [f<fh,ð’¶ %oÅ,μ,½,Æ,«,É[]i[]¬,³,ê,éftfB[] [f<fh,ìŒ^ []B <ó”,É, ,é,Æ[]C•“—ff[] [f^Œ^,É^È’¶, ,éfffftfHf<fg,ì TField ,ä[]i[]¬,³,ê,é
TControl Class	ftfH[] [f€,ÉftfB[] [f<fh,ðfhf %ofbfO,μ,½,Æ,«,É[]i[]¬,³,ê,éfRf“fgf[] [f<,ìŒ^ []B <ó”,É, ,é,Æ[]CTField, ,ìŒ^,É^È’¶, ,éfffftfHf<fg,ì TControl ,ä[]i[]¬,³,ê,é
Alignment	•Ö[]WfRf“fgf[] [f<,Ü,½,ífOfŠfbfhfRf“fgf[] [f<,ì’t,Åff[] [f^,ð’+ %o>’μ,í[]C¶’μ,í[]C,Ü,½,í%oE’μ,í,é,½,ß,Éžg,í,é,é
DisplayLabel	fOfŠfbfhfRf“fl[] [flf“fg,ä•\ž , ,éftfB[] [f<fh,ì— ñŒ©[]o,μ[]BDisplayLabel, ,ä<ó,í[]é‡[]C—ñŒ©[]o,μ,É,í FieldName fvfvf[] fpfefB,äžg,í,é,é
DisplayWidth	fOfŠfbfhfRf“fgf[] [f<“à,ìftfB[] [f<fh,ì•\ž ,Éžg,í,é,é•¶žš,ì[]”
ReadOnly	True ,Ü,½,í False[] BftfB[] [f<fh,“Ç,Ý[]o,μ[]é—p,©,Ç,¤,©,ðžw’è,·,é
Required	True ,Ü,½,í False[] BfRf“fgf[] [f<,ÉftfB[] [f<fh’l,ð“ü— í,μ,È, ,é,î,È,ç,È,¢,©,Ç,¤,©,ðžw’è,·,é
Visible	True ,Ü,½,í False[] BfOfŠfbfhfRf“fgf[] [f<,ÉftfB[] [f<fh,ð•\ž ,Å,«,é,©,Ç,¤,©,ðžw’è,·,é
Transliterate	True ,Ü,½,í False[] BftfB[] [f<fh,ìŒ^,ä[]C’¼,íff[] [f^fx[] [fX,ìŒ^,Æ,ìŠÔ,Å•K— v,È,Æ,«,É•ìŠ,³,ê,é,©,Ç,¤,©,ðžw’è,·,é
EditMask	f}fxN•t,«,ì•Ö[]Wf{fbfNfX,É“ü,éff[] [f^,Ü,½,íff[] [f^ftfB[] [f<fh,É“ü— í,³,ê,éff[] [f^,ðŒÄ,·,é,½,ß,Éžg,¤f}fxN
DisplayFormat	ftfB[] [f<fh,ì’l,ì•\ž Œ`Ž®,ðžw’è,·,é,½,ß,Éžg,í,é,é

EditFormat	<code>ftfB[f&lt;fh,¡Œ`Ž®,ð•ÒW,·,é,½,ß,ÉŽg,í,ê,é</code>
MaxValue	<code>ftfB[f&lt;fh,É“ü—í,À,«,é]À'å'l</code>
MinValue	<code>ftfB[f&lt;fh,É“ü—í,À,«,é]À¬'l</code>
Currency	<code>True ,Ü,½,Í False]BftfB[f&lt;fh,àŠzftfB[f&lt;fh,©,Ç,¤,©,ðŽ ,·</code>
Precision	<code>„'lftfB[f&lt;fh,¡Œ`Ž®,jŽw'è,ÀŽg,í,ê,é]BPrecision ‚'l,í]CSÜ,ß,é'O,ÉŒ`Ž®,ðŽw'è,·,é•K—v,¤,é]”l,ì]¬]”_^È ‰º,¡Œ...]”</code>
DisplayValues	<code>TBoolean ftfB[f&lt;fh,Æ•\Ž]Œ`Ž®,jŠÖ,À,Ç,ì,æ,¤,É•ïš·,ð]s,¤ ,©,ð]§Œä,·,é</code>
BlobType	<code>f]f,fRf“fgf]f[f&lt;,Ü,½,í]Of‰o]ftfBfbfNfRf“fgf]f[f&lt;,ÉŠÖ~A•t,“,ç,ê,½ BLOB ,]f^fCfv,ðŽw'è,·,é</code>
Based On	<code>,±,í'®]«fZfbfg,ìŠí,É,È,é•Ê,í'®]«fZfbfg,ðŽw'è,·,é]B,± ,í'®]«fZfbfg,À]s,À,½fvf]fpfefB,ì]õX,í]CSí,É,È,À,½'®]«fZfbfg,]fv f]fpfefB,ðfl]fo]f%o]fCfh,·,é</code>
<b>’]Ô:</b> ‘®]«fZfbfg,ðŽg,¤,·,x,À,]ftfB[f<fh,É,·,x,À,]fvf]fpfefB,¤“K—p,³,ê,é,í,“,À,í,·,è,Ü,¹,ñ]B, ½,Æ,!,í]C’®]«fZfbfg,À MaxValue fvf]fpfefB,ðŽw'è,µ]C,»,í'®]«fZfbfg,ð TStringField f]fufWfFfNfg,É“K—p,·,é,Æ]C.MaxValue fvf]fpfefB,í-³Ž<,³,ê,Ü,·]B	

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{button ,AL(`repo') } ffffBfNfVf#fifS,É,À,¢,À,]fgfsfbfN

## TField flfufWfFfNfg,Ö,í'®«fZfbfg,í"K—p

TField flfufWfFfNfg,É’®«fZfbfg,ð“K—p,·,é,É,í]CŽ¥,íŽè‡,É],Á,Ä,,¾,³,¢B

1. ff][f^fZfbfg,ðf\_fuf,fNfSfbfN,μ,ÄftfB][ffhfGfffBf^,ðCEÄ,Ño,μ,Ü,·B

2. '®«fZfbfg,ð“K—p,·,éftfB][ffh,ð'l'ð,μ,Ü,·B

3. ,»,íftfB][ffh,ð‰EfNfSfbfN,μ,Äf]fj...][,ðCEÄ,Ño,μ,Ü,·B

4. '®«,íŠÖ~A•t,~,ð'l'ð,μ,Ü,·B

5. ]m'®«,íŠÖ~A•t,~nf\_fCfAf]fOf{fbfNfx,©,ç“K—p,·,é'®«fZfbfg,ð'l'ð,·,é,©“ü—  
í,μ,Ü,·Bff][f^fffBfNfVfifS,í't,ÉCE»]Y,íftfB][ffh,Æ“~,¶-¼'O,í'®«fZfbfg,², ,éê‡C,»,í'  
®«fZfbfg,í-¼'O,²fRf"ff{fbfNfx,É•\ž!,³,ê,Ü,·B

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{button ,AL(`repo') } ffffBfNfVfifS,É,Ä,¢,Ä,ífgfsfbfN

## **ff^f^fffBfNfVftfifS,Æs-ñ**

ff^fx^fx^fxGfNfXfvf^f%o,ðŽg,Á,ÄCSQL fT^fo^[,©,ç§-ñ,ÆffffHf,ðŽæ,èž,ß,Ü,·B,±,ì<@\\",ð—~—p,·é,ÍCfffBfNfVftfifS,ðV,μ,-·ñ,·é,©C€-Ú,ðffffBfNfVftfifS,ÉŽæ,èž,b,Æ,«,Émupgrade^nf\_fCfAf^fOf{fbfNfX,ÅmYesn,ð'l'ð,·é•K—v,·è,Ü,·BŠù'ÍffffBfNfVftfifS,ì"à—e,ðV,μ,ÍffffBfNfVftfifS,É}“ü,·é,É,ÍCffffBfNfVftfifS,ìñ,ðŽQÆ,μ,Ä,,¾,³,¢B  
ÍffffBfNfVftfifS(D)bfff^fx^fx^fx,©,çŽæ,èž,Ý(M)n,Ü,½,ÍmflfufWfFfNfq(O)bfffBfNfVftfifS,ÖŽæ,èž,Yn,í,ç,¿,ç,©,ðŽg,¤êC§-ñ,ÆffffHf,ÍŽ“®“I,ÉŽæ,èž,Ü,é,Ü,·B  
ffffBfNfVftfifS,ÉŽæ,èž,Ü,é,é,»,é,¼,é,ìfT^fo^[,ì§-ñ,ÆffffHf•ñ,É,Ä,¢,Ä,ÍCŽæ,èž,Ü,é,éSefT^fo^[,ì§-ñ,ÆffffHf,ðŽQÆ,μ,Ä,,¾,³,¢B  
ffffBfNfVftfifS,ÍC^È‰o,ÉŽI,·êS,É§-ñ,ÆffffHf,ì SQL Ž®,ðŽ,¿,Ü,·B  
Database\Table\Check Constraints "z‰o,Ífvf\fpfefB:  
ImportedConstraint\CCustomConstraint\C, „æ,Ñ ErrorMessage  
Attribute Sets "z‰o,Ífvf\fpfefB:  
ImportedConstraint\CCustomConstraint\CCConstraintErrorMessage\CDefault  
Expression\C, „æ,Ñ Domain Name  
fT^fo^[,É, ,é SQL Ž®,ð BDE/DBCLIENT DLL ,äfTf|fg,μ,Ä,¢,È,¢ê‡,ÉCfffBfNfVftfifS,ÉŽæ,èž,à,¤,Æ,·é,ÆCŽ®,ì“à—e,ÍRf^f“fg“à,É”z'u,³,é,Ü,·B  
{button ,AL(`repo') } ffffBfNfVftfifS,É,Ä,¢,Ä,ÍfgfsfbfN

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## Žæ,èž,Ü,ê,éŠefT[]fo[],í§-ñ,AfffftjHf<fg

ff[f^fffBfNfVf+fifš,Æ§-ñ,Å,íC§-ñ,ÆfffftjHf<fg,í•ñ,ðff[f^fffBfNfVf+fifš,ÉŽæ,èž,p•û-@,íST-v,ðà-¾,µ,Ü,µ,½B,±,±,Å,íCŠefT[]fo[],©,ç‰½,žæ,èž,Ü,ê,é,©,ðž,µ,Ü,·B  
fŒfR[]fh,í§-ñ,ðfTf[]fg,·,éfT[]fo[],íê#C,»,ê,¼,ê,í§-ñ,íffffBfNfVf+fifš,íŠefe[]fuf<,íuCheck  
Constraints[vfZfNfVf+f”,ÉŽæ,èž,Ü,ê,Ü,·BOracleCInformixC,”,æ,Ñ DB2 ,íC§-ñ,fe[]fuf<,í 1 ,Å,íftfB[]f<fh,É,íY—p,·,éê#C,»,ê,ðfe[]fuf<‘S’í,í§-ñ,Æ,·,é,í,Å’Ó,µ,Å,-¾,³,¢B  
ŒÅX,íftfB[]f<fh,í•ñ,ðŽæ,èž,pê#C,»,íftfB[]f<fh,äfhf[]Cf”íInterBasej,Ü,½,íff[f^Œ^ŒiMS SQL Server ,å Sybasej,ÉŠ,Å,ftfB[]f<fh,í,Æ,«,É,íC’®“fZfbfg,ä,±,ífhf[]Cf”,Ü,½,íff[f^Œ^,É’í,µ,Äí¬,³,éCfhf[]Cf”,ífffftjHf<fg,Æ§-ñ,í•ñ,ä’®“fZfbfg,É’ç‰Å,³,ê,Ü,·BfffftjHf<fg,Å,íCfhf[]Cf”,Ü,½,íff[f^Œ^,í,Æ,ÉC’®“fZfbfg,í-¼’O,ä•t,“,ç,ê,Ü,·BZÝ,ÉCftfB[]f<fh,ä,±,í’®“fZfbfg,Éfšf”fN,³,ê,Ü,·B,Ü,½CftfB[]f<fh,äfhf[]Cf”,äff[f^Œ^,ÉŠ,Å,é#C,±,íftfB[]f<fh,í’®“fZfbfg,ífhf[]Cf”,äff[f^Œ^,É’í,·,é’®“fZfbfg,ðŠ,Éí¬,³,ê,Ü,·B

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{button ,AL(`repo')} [ffffBfNfVf+fifš,É,Å,ç,Å,fgfsfbfN](#)

mff[f^fx][fX]nfy[fW,AE]mfffBfNfVftifS]nfy[fW

,±,ê,ç,]fy[fW,đŽg,¤,ÆCff[f^fx][fXfGfŠfAfX,Æff[f^,]•\ Ž;]C•ÒW,ª,Å,«,Ü,·B,Ü,½Cff[f^fZfbfg,í®]«fZfbfg,đ]i]–]C•ÒW,·,é,± ,Æ,à,Å,«,Ü,·B

mff[f^fx][fX]nfy[fW

mfffBfNfVftifS]nfy[fW

## mff[f^fx][fx]nfy[fW

mff[f^fx][fx]nfy[fW,É,íC—~—p‰„\,Èff[f^fx][fx,]fGfŠfAfX,a•\  
ž!,³,ê,Ü,·Bmff[f^fx][fx]nfy[fW,l“à—e,đŽQÆ,·,é,É,íCff[f^fx][fxGfNfxfvf][f‰,  
‰,í¶fyfCf“,É, ,émff[f^fx][fx]nf^fu,đfNfŠfbfN,μ,Ü,·B

fU,íC‰EfjfCf“,]f^fu•t,«fy[fW,Å]Ý’è,³,ê,Ä,ç,é“à—e,đ•ž/•òW,Å,«,Ü,·B  
ff[f^fffBfNfVftfifŠflfufWfFfNfg,í,æ,ñff[f^fx][fxGfNfxfvf][f‰,í¶‰  
‰E,ífyfCf“,Å,í,ñ‰đÍ,É,Ä,ç,Ä,íÚx,đŽQÆ,·,é,É,íC]‰,íf{f^f“,đfNfŠfbfN,μ,Ä,-  
,³/³,çB

---

{button ,AL(`database')} ff[f^fx][fx,É,Ä,ç,Ä,]fgfsfbfN

{button ,AL(`UI')} ff[f^fx][fxGfNfxfvf][f‰,fU,fCf“f^ff[fF][fx

## ff<sup>o</sup>[f^fx][fxGfSfAfX,ižg—p

ft<sup>o</sup>[fU<sup>o</sup>,íCff<sup>o</sup>[f^fx][fxGfNfXfvf<sup>o</sup>[f%o,ðŽg—p,μ,ÄCBDE fGfSfAfX,ð•\ Ž;C̄ī—C,„,æ,N•īX,·,é,±,Æ,ä,Å,«,Ü,·B,± ,ê,c,ðŽĀs,·,é,½,ß,ÉC̄mf<sup>o</sup>[f^fx][fxnfy][fW]ä,Å̄s,¤ì<Æ,Æ,»,ižè,ð^È%o,ð•\ ,ÉŽ!,μ,Ü,·B

□<Æ	Žè,‡
fGfSfAfX,ð•\Ž;	1.¶¶fyfCf“,É, ,éff <sup>o</sup> [f^fx][fxflfufWffNfg,ì%o,É•\Ž;,³,ê,Ä,ç,é + ,ðfNfSfbfN,μ,Ü,·B 2.¶¶fyfCf“,É•\Ž;,·,éfGfSfAfX,ð'í'ð,μ,Ü,·B ‰EfjfCf“,Ém’è<`nfy][fW,³,ê,Ü,·B
fGfSfAfX,ì̄C̄—	1.¶¶fyfCf“,Åff <sup>o</sup> [f^fx][fxflfufWffNfg,ð'í'ð,μ,Ü,·B 2.%oEfNfSfbfN,μ,ÄfRf“fefLfxfgf]fj...[],ð<N“®,μ,Ü,·B 3.ºmºV<K̄ī—(N)n,ð'í'ð,μ,Ü,·B  4.ºmff <sup>o</sup> [f^fx][fxGfSfAfX,ì̄V<K̄ī—nf_fCfAf]fOf{fbfNfX,ÅfG fSfAfX,ð'í'ðŒäC̄mOK̄n,ð'í'ð,μ,Ü,·B 5.¶¶fyfCf“,ÅfGfSfAfX-¼,ð“ü—í,μ,Ü,·B 6.%oEfjfCf“,ì̄m’è<`nfy][fW,É, ,é PATH fefLfxfgf{fbfNfX,ÉC̄fGfSfAfX,ífpfX,ðŽw’è,μ,Ü,·B•K—v,É ‰ž,¶,ÄŒDEFAULT DRIVER fpf‰of]f,Éfhf ‰fCfo,ðŽw’è,μ,Ü,·B 7.¶¶fyfCf“,É, ,éff <sup>o</sup> [f^fx][fxflfufWffNfg,ð ‰EfNfSfbfN,μ,ÄfRf“fefLfxfgf]fj... [],ð<N“®,μ,Ü,·BŽY,ÉC̄mºXºV(A)n,ð'í'ð,μ,Äff <sup>o</sup> [f^fx][fx,ð ºXºV,μ,Ü,·B
fGfSfAfX,ì̄C̄³	1.¶¶fyfCf“,Å•īX,·,éfGfSfAfX,ð'í'ð,μ,Ü,·Bºm’è<`nfy][fW,³ ‰EfjfCf“,É•\Ž;,³,ê,Ü,·B 2.•K—v,É‰ž,¶,ÄŒm’è<`nfy][fW,ì̄Y’è,ð•īX,μ,Ü,·B 3.¶¶fyfCf“,É, ,éff <sup>o</sup> [f^fx][fxflfufWffNfg,ð ‰EfNfSfbfN,μ,ÄfRf“fefLfxfgf]fj... [],ð<N“®,μ,Ü,·BŽY,ÉC̄mºXºV(A)n,ð'í'ð,μ,Äff <sup>o</sup> [f^fx][fx,ð ºXºV,μ,Ü,·B
fGfSfAfX,ì̄í̄œ	1.ºí̄œ,·,éfGfSfAfX,ð¶¶fyfCf“,Å'í'ð,μ,Ü,·B 2.%oEfNfSfbfN,μ,ÄfRf“fefLfxfgf]fj...,ð•\Ž;,μ,Ü,·B 3.ºmºí̄œ(D)n,ð'í'ð,μ,ÄfGfSfAfX,ðí̄œ,μ,Ü,·B 4.ffff[fx][fxflfufWffNfg,ð‰oEfNfSfbfN,μ,ÄfRf“fefLfxfgf]fj... [],ð<N“®,μ,Ü,·BŽY,ÉC̄mºXºV(A)n,ð'í'ð,μ,Äff <sup>o</sup> [f^fx][fx,ð ºXºV,μ,Ü,·B

'^Ó: ºV,μ,¢ ODBC fGfSfAfX,ð̄ī—,·,é,ê,‡C•K,, DSN  
,ð’è<,μ,Ä,©,ç,»,ffff[fx][fx,É,Ä,ç,Ä,]fgfsfbfN

{button ,AL(`database')} fffff[fx][fx,É,Ä,ç,Ä,]fgfsfbfN  
{button ,AL(`UI')} fffff[fx][fxGfNfXfvf]f%o,f+ffff[fx][fCf“f^ffff[ftfF][fx



**fGfŠfAfX**

fGfŠfAfX, í□Cflfbfgf□□[fNfŠf□□[fx, ðŽ|, ·-¼'°, Ü, ½, í^ê~A, ifpf%o f□□[f^, Å, ·□BBDE  
fAfvfŠfP□[fVf‡f“, í□CfGfŠfAfX, ðŽg—p, μ, Äff□[f^fx□[fx, É□U'±  
, μ, Ü, ·□Bff□[f^fx□[fx, æf□□[f]f<, É, , é□ê□‡, í•K—v, , è, Ü, ¹, ñ□BSQL ff□[f^fx□[fx, ì□ê□‡, í•K—  
v, Å, ·□B

## feff[fuf[f^,ižg—p

ff[u[f^fx[u[fXfGfNfXfvf[u[f%o,ðžg,Á,Äfe[u[fuf<“à,]ff[u[f^,i•\n  
ž;üCüi•üC,“,æ,Ñ•üX,aüS,i,Ü,·üBžY,i•\n  
,üCümff[u[f^fx[u[fXfGfNfXfvf[u[f%o,ðžg,Á,Äfe[u[fuf<ff[u[f^,iše'€ü,Æ,»,ižèü,ð,Ü,Æ,B,½,à,i,Å,·üB

í•Æ	žéü‡
fe[u[fuf<ff[u[f^,i•ž	1. ü¶fyfCf“,Áfe[u[fuf<,ð’l’ð,μ,Ä•ž ,μ,Ü,·üB  2.%oEfyfCf“,ü¶mff[u[f^ünfy[u[fWf^fu,ðfNfŠfbfN,μ,ÄüCfe[u[fuf<“ à,i,·x,Á,]ff[u[f^,äŒ®,ç,ê,éfxNf[u[f<,éfOfŠfbfh,ð•ž ,μ,Ü,·üB 3. ff[u[f^fx[u[fXfGfNfXfvf[u[f%o,üfc[u[f<fo[u[,i‰E’¤,É, ,éfirfQ[u[f^f{ ^f“,ðžg,¤,ÆŒfR[u[fh’P^É,ÁfxNf[u[f<,μ,Ü,·üB 1.fOfŠfbfh,i’t,ÁfŒfR[u[fh,ütfB[u[f<fh,ð•ØüW,μ,Ü,·üB 2.,± ,i•ØüW,ðff[u[f^fx[u[fX,É”o~^,·,é,É,ü¶CfOfŠfbfh“à,Á’¼,]fŒfR[u[f h,ð’l’ð,·,é,ü¶Cfc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶mfŒfR[u[fh,i”o~^ünf{f^ “,ðfNfŠfbfN,μ,Ü,·üB 3. ”o~^,ðüS,¤’O,Á, ,é,ü¶Cfc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶m•ØüW,ižæ,èü Á,ü¶nf{f^f“,ðfNfŠfbfN,·,é,ü¶CükEsc[u[,ð ‰Y,¹,i•ØüW,ðfLfff”fZf<,Á,«,Ü,·üB üV,μ,¢fŒfR[u[fh,i’}”ü 1.üV,μ,¢üS,ð’}”ü,μ,½,¢^É’u,ü‰o,üS,Éfj[u[f^f<,ð^É’u•t,·,Ü,·üB  2.fc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶mfŒfR[u[fh,i”ünf{f^f“,ðfNfŠfbfN, μ,Ü,·üB<ó”üS,ä•ž ,³,ê,Ü,·üB 3. Še—ñ,Éff[u[f^,ð”ü—í,μ,Ü,·üB—ñŠò,i”ú”®,É,íf}fEfX,ðžg,¤ ,ü¶CükTab[u[,ÁžY,ütfB[u[f<fh,É”ú”®,μ,Ü,·üB 4.,± ,i’}”ü,ðff[u[f^fx[u[fX,É”o~^,·,é,É,ü¶CfOfŠfbfh“à,Á’¼,]fŒfR[u[fh, ð’l’ð,·,é,ü¶Cfc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶mfŒfR[u[fh,i”o~^ünf{f^f “,ðfNfŠfbfN,μ,Ü,·üB 5. ”o~^,ðüS,¤’O,Á, ,é,ü¶Cfc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶m•ØüW,ižæ,èüÁ ,ü¶nf{f^f“,ðfNfŠfbfN,·,é,ü¶CükEsc[u[,ð ‰Y,¹,i•ØüW,ðfLfff”fZf<,Á,«,Ü,·üB fŒfR[u[fh,i”œ,μ,½,¢üS,Éfj[u[f^f<,ð^É’u•t,·,Ü,·üB  2.fc[u[f<fo[u[,ÁfirfQ[u[f^,ü¶mfŒfR[u[fh,i”œünf{f^f“,ðfNfŠfbfN ,μ,Ü,·üB 3.ümŠm”Fünf_fCfAf[uOf{fbfNfX,ÁümOK[u[n,ð’l’ð,μ,Ü,·üB

{button ,AL(`database') } ff[u[f^fx[u[fX,É,Á,¢,Ä,]fgfsfbfN

{button ,AL(`UI') } ff[u[f^fx[u[fXfGfNfXfvf[u[f%o,ft[u[fU[u[fCf“f^ff[u[fX

## SQL •¶,í“ü—í

Delphi ,í^ê•”,ífo[fWf]f”,Å,íCSQL fGfNfXfvf[]%o,ðŽg,¤,ÆCfŠf,f[fgfT][fo][ä,í SQL ff[f^fx][fX,É’í,µ,Å SQL -â,¢‡,í,¹,ðšs,¤,±,Æ,²,Å,«,Ü,·B,± ,ê^ÈŠO,ífo[fWf]f”,Å,íCff[f^fx][fXfGfNfXfvf[]%o,Å Paradox ,Æ dBASE ,ífe[fuf<,Ö,í-â,¢‡,í,¹,ðšs,!,Ü,·B

SQL •¶,ðŽg,Å,Æff[f^fx][fX,í-â,¢‡,í,¹,ðšs,¤,É,íCZÝ,ížè‡,É],Å,Ä,,³/₄,³,¢‡B

1. ¶¶fyfCf”,Åff[f^fx][fX]fufWfFfNfg,ð’l’ð,µ,Ü,·B
2. %oEfyfCf”,ímSQL •¶,í“ü—ínf^fu,ðfNfŠfbfN,µ,ÄCZÀs,·,é SQL •¶,ð“ü—í,Å,«,é·ÖWf{fbfNfX,ð•\Z!,µ,Ü,·B

3. •ÖWf{fbfNfX,É SQL •¶,ð“ü—í,µ,Ü,·BSELECT ^ÈŠO,í•¶,ð“ü—í,·,é,Æ,«,íCmflfvfVf]f”(O)bQueryn,ð’l’ð,µ,ÄmLlive Queryn,if`fFfbfN,ð,í,.,µ,½ó’Ö,Å•¶,ðŽÀs,µ,Ä,,³/₄,³,¢‡B

4. ïmZÀsïnf{f^f”,ðfNfŠfbfN,µ,Ä-â,¢‡,í,¹,ðŽÀs,µ,Ü,·B

fefLfXfgftf@fCf<,âfwf<fvfEfBf“fhfEIC, ,é,¢,í,¹/₄,ífAfvfŠfP[fVf]f”,©,ç SQL •¶,ðfRfs[],µ,Å•ÖWf{fbfNfX,É”,è•t, ,é,±,Æ,²,Å,«,Ü,·BSQL •¶,ífRfs[],Æ“\ ,è•t, ,íCftf@fCf<,©,ç,í“ç,Ýž,Ý,É,Å,¢,Å,íÚx,ífRf“fefLfXfgf]fj...[fRf]f“fh]iSQL •¶,í“ü—í,ðŽQÆ,µ,Ä,,³/₄,³,¢‡B

**’Û^Ó:** “ü—í,µ,½ SQL ,í•¶,²/₃,µ,,È,¢,ÆfGf%o[f]fbfZ[fW,²¶¶¬,³,ê,Ü,·B]mSQL •¶,í“ü—ínfB[f]fh,íCZ©—R,É•ÖW,µ,Ä\•¶fGf%o[],ðC]³,·,é,±,Æ,²,Å,«,Ü,·B

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{button ,AL(`database')} ff[f^fx][fX,É,Å,¢,Å,ífgfsfbfN

{button ,AL(`UI')} ff[f^fx][fXfGfNfXfvf[]%o]fU[fCf“f^][ftfF][fX

## mBLOB fGfNfXfvf‰nf\_fCfAfOf{fbfNfX

mBLOB fGfNfXfvf‰nf\_fCfAfOf{fbfNfX,íCBLOB ftfB[f<fh,íf[f,ff[f^,Ü,½,ífOf‰oftfBfbfNff[f^,í“à—e,ð•\ž|,·,é,½,ß,Éžg,¢,Ü,·BmBLOB fGfNfXfvf‰nf\_fCfAfOf{fbfNfX,í,¢,Â,Â,àŠJ,,±,Æ,ª,Â,«,Ü,·,ªCfe[fuf“à,í BLOB ff[f^,ð•\ž|,μ,½,è•ÒW,μ,½,è,·,é,Æ,«^ÈŠO,É,í^Ó-;,ª,·,é,Ü,·,ñBBLOB ftfB[f<fh,í,·éfe[fuf,ð'l'ð,·,é,ÆC,±,íf\_fCfAfOf{fbfNfX,É BLOB ff[f^,ª•\ž|,³,é,Ü,·B,·,íftfB[f<fh,ª TGraphicsField ,íê‡Cf\_fCfAfOf{fbfNfX,í,·,í‰æ'œ,ð•\ž|,μ,æ,¤,Æ,μ,Ü,·BftfB[f<fh,ª TMemoField ,Â,·,é,íCf\_fCfAfOf{fbfNfX,í,·,í BLOB fefLfXfg,ð•\ž|,μ,æ,¤,Æ,μ,Ü,·B,±,ê^ÈŠO,í BLOB ftfB[f<fhŒ^,íê‡,É,íf\_fCfAfOf{fbfNfX,í<ó,É,È,è,Ü,·B•Ê,íftfB[f<fh,íŒ^,í“à—e,·fefLfXfg,©fOf‰oftfBfbfNfX,Â,·,é,Æ,í,©,Â,¢,ê,íCf\_fCfAfOf{fbfNfX,ð‰oEfNfSfbfN,μ,ÄfRf“fefLfXfgf[fj...[],ðŒÄ,Ño,μCmfefLfXfg,Æ,μ,Ä•\ž|n,Ü,½,ím‰æ'œ,Æ,μ,Ä•\ž|n,ð'l'ð,μ,ÄftfB[f<fh,ð•\ž|,·,éŒ`Ž®,ðŽw'è,Â,«,Ü,·B

---

{button ,AL(`database')} ff[f^fx[fX,É,Â,¢,Ä,ífgfsfbfN

{button ,AL(`UI')} ff[f^fx[fXfGfNfXfvf‰nfOf[fU[fCf“f^ffF[fX

## f{f^fx[fXfGfNfXfvf][f%o]fc[f<fo]

ff[f^fx[fXfGfNfXfvf][f%o],fc[f<fo],É, ,é,CfRf}f“fh,ðŽÀs,·,é,½,ß,]f{f^f“,ð^È  
‰,ÉŽ!,μ,Ü,·,B

### f{f^f”

à-¾

	VmSJ,ln	’l’ð,μ,½flfufWfFfNfg,ðíœ,·,éiff[f^fx[fXfGfNfXfvf][f%o],l‰Efycf“,É, ,é,mff[f^nfy[fW,Å•ÓW,³,ê,½ff[f^,É’í,μ,Ä,í”K—p,³,ê,É,¢]j
	mfLfff”fZf<ln	’l’ð,μ,½flfufWfFfNfg,ì•íX,ð”jŠü,·,éiff[f^fx[fXfGfNfXfvf][f%o],l‰Efycf“,É, ,é,mff[f^nfy[fW,Å•ÓW,³,ê,½ff[f^,É’í,μ,Ä,í”K—p,³,ê,É,¢]j
	mxVn	’l’ð,μ,½flfufWfFfNfg,É’í,·,é,íX,ðff[f^fx[fXfGfNfXfvf][f%o],l‰Efycf“,É, ,é,mff[f^nfy[fW,Å•ÓW,³,ê,½ff[f^,É’í,μ,Ä,í”K—p,³,ê,É,¢]j
	mBLOB ,ì•\ž!n	fe[fuf<à,]ff[f^,ÉŠÖ~A•t,_,ç,ê,Ä,¢,é,efLfxg BLOB ,Ü,½,ífOf‰oftfbfn BLOB ,ð•\ž!,·,é,½,ß,]ftfH[f€,ð•\ž!,·,é

ff[f^fx[fXfGfNfXfvf][f%o],l‰Efycf“,ímSQL •¶,í”ü—ínfy[fW,ð•\ž!,μ,Ä,¢,é,Æ,«,É,íCfc[f<fo,É,ífgf‰of“fUfNfVff”‰æ—p,É^È‰,ÉŽ!,·,f{f^f“,a,mBLOB ,ì•\ž!n,í‰,É•\ž!,³,ê,Ü,·,B

### f{f^f”

**fRf}f“fh**

mbegin Or Commit Transaction	ff[f^fx[fXfgf‰of“fUfNfVff”,íN“®,Æf fxfg
mrollback Transaction	’¼’O,]ff[f^fx[fXfgf‰of“fUfNfVff”,ðŽæ,è,Á,·

ff[f^fx[fXfGfNfXfvf][f%o],l‰Efycf“,ímff[f^nfy[fW,ð•\ž!,μ,Ä,¢,é,Æ,«,É,íCfc[f<fo,É,ífŒfR[fh,ð•ÓW,·,é,½,ß,É^È‰,ÉŽ!,·,f{f^f“,a,Ü,·,B

### f{f^f”

**fRf}f“fh**

	æ“a,]fŒfR[fh,É^Ú“®,·,é
	1 ,Ä’O,]fŒfR[fh,É^Ú“®,·,é
	ŽÝ,]fŒfR[fh,É^Ú“®,·,é

□mžY,ífŒfR□[fh□  
n

 □ÅŒä,ífŒfR□[fh,É^Ú“®,·,é

□m□ÅŒä,ífŒfR□[  
fh□n

 □V,μ,¢fŒfR□[fh,ð’} “ü,·,é

□mfŒfR□[fh,í’} “  
ü□n

 œ»□Y,ífŒfR□[fh,ðíœ,·,é

□mfŒfR□[fh,íœ□  
œ□n

 œ»□Y,ífŒfR□[fh,ð•Ò□W,·,é

□mfŒfR□[fh,í•Ò□  
W□n

 •í□X,μ,½fŒfR□[fh,ðff□[f^fx□[fX,É“o~^,·,é

□mfŒfR□[fh,í“o~  
^□n

 fŒfR□[fh,í•Ò□W,Ü,½,í’} “ü,ð”jŠü,·,é

□m•Ò□W,ížæ,è□  
Å,μ□n

 ff□[f^fx□[fX,©,cff□[f^,í□V,μ,¢frf...  
□[,ð”Ç,Ý□ž,þ  
□mff□[f^□X□V□n

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{button ,AL(`UI') } ff□[f^fx□[fXfGfNfXfvf□□[f%oft□[fU□[fCf“f^□[ftfF□[fX

## **m'è`nfylfw**

%oEfjfCf“,ím’è`nfylfw,É,íC¶fyfCf“,Å<sup>’2</sup>•\ž|,μ,½flfufWfFfNfg,ífpf%ofl^f^,^•\ž|,<sup>3</sup>,é,Ü,·B

## ■m^ê—■nfy■fw

%oEfjfCf“,i|m^ê—■nfy■fw,É,í|C■¶fyfCf“,Å<sup>’2</sup>•\  
ž!,μ,½|efjfufWfFfNfg“à,ÉŠÜ,Ü,ê,éff■[f^fx■[fXjfufWfFfNfg,<sup>2</sup>•\ž!,<sup>3</sup>,ê,Ü,·|B|m^ê—  
■nfy■fw,ÅfljfufWfFfNfg,ðf\_fuf<fnfSfbfN,·,é,Æ|C,»|fljfufWfFfNfg,<sup>2</sup>■¶fyfCf“,É•\ž!,<sup>3</sup>,ê,Ü,·|B

## **mfefLfxfgnfylfw**

%oEfjfCf“,ímfefLfxfgnfylfw,É,íCSQL flfufWfFfNfg,ífefLfxfg,³•\ži,³,ê,Ü,·Bm•\ži(V)bComplete Textn,ð'l'ð,·,é,AEíCfefLfxfg,ð•íX,Å,«,É,¢,æ,¤,É,µ,Ü,·Bm•\ži(V)bChange Textn,ð'l'ð,·,é,AEíC•íX,ð“K—p,·,é,AE,«,É'l'ð,µ,½flfufWfFfNfg,É'î,µ,ÄžÀs,³,ê,é-â,¢‡,í,¹,äfyílfw,í‰‰•”,É, ,éfpflf<,É•\ži,³,ê,Ü,·B

**mff**

%oEfjfCf“,ímff[f^nfy]fW,É,íC¶¶fyfCf“,Å’l’ð,³,ê,%fe[fuf<]Cfrf...íC,Ü,%fVmjjf,É, ,  
éff[f^,²•\Z|,³,ê,Ü,·B

## ■mSQL •¶,í“ü—í■nfy■fW

%oEfjfCf“,í■mSQL •¶,í“ü—í■nfy■fW,É,í■CSQL •¶,ð“ü—í,·,éfEfBf“fhfE,²•\Žl,³,ê,Ü,·■B



## ■mŽY,í-â,¢‡‡,í,¹nfRf}f“fh

■mSQL •¶,í“ü—ínfy|[fW,Å‰‰EfNfŠfbfN,µ,ÄmŽY,í-â,¢‡‡,í,¹n,ð’l’ð,:é,ÆCŽY,í SQL  
•¶,ð’l’ð,µ,Ü,·B,Ü,½CmSQL •¶,í“ü—ínfy|[fW,¡‰‰E‰‰o÷,É, ,émŽY,í-  
â,¢‡‡,í,¹nf{f^f“,ðZg,¤,±,Æ,à,Å,«,Ü,·B

## ■m,Đ,Æ,À’O,Ì-â,¢‡t,í,¹nfRf}f“fh

■mSQL •¶,ì“ü—ínfy[fW,Å‰%EfNfŠfbfN,µ,Äm,Đ,Æ,À’O,Ì-â,¢‡t,í,¹nf,ð’l’ð,·,é,ÆC1 ,À’O,Ì SQL •¶,ð’l’ð,µ,Ü,·B,Ü,½C■mSQL •¶,ì“ü—ínfy[fW,ì‰%oº÷,É, ,ém,Đ,Æ,À’O,Ì-â,¢‡t,í,¹nf{f^f“,ðZg,¤,±,Æ,à,Å,«,Ü,·B

## **mí,Éžè'ō,É•\ž;nfRf}f"fh**

mBLOB fGfNfXfvf[]nf\_fCfAf[]fOf{fbfNfX,Å%oEfNfŠfbfN,ð,μ,Ämí,Éžè'ō,É•\ž;n,ð}fFfbfN,·,é,ÆCmBLOB fGfNfXfvf[]f%o\_nf\_fCfAf[]fOf{fbfNfX,í•K,,Ù,©,lfEfBf"fhfE,æ,è'ō,É•\ž;,³,ê,Ü,·B

## **mŽ©“®®—ñ(A)nfRf}f“fh**

„m^ê—–nfy[fW, Å‰oEfNfŠfbfN, μ, ÄmŽ©“®®—ñ(A)n, ð'l'ð, ·, é, ©C, Ü, ½, ím•\ Ž!(V)bž©“®®—ñ(A)n, ð'l'ð, ·, é, AE C m^ê—–nfy[fW, IfAfCfRf“, ðž©“®“I, É®—ñ, μ, Ü, ·ify[fW, afTfCfY•íX, ^, ê, ½é#jB, ±, IfRf}f“fh, íCWindows 95 fGfNfXfvf‰[f‰, ì, æ, á, É“®í, μ, Ü, ·B

## □mfgf‰of“fUfNfVf†f“ŠJŽn(B)□nfRf}f“fh

□mSQL •¶,ì“ü—í□nfy□[fW,â□mff□[f^□nfy□[fW,Å‰oEfNfŠfbfN,·,é,Æ□C□mfgf‰of“fUfNfVf†f“ŠJŽn(B)□n,ð‘l’ð,µ,ÄŒ»□Y,ì SQL fgf‰of“fUfNfVf†f“,ðŠJŽn,Å,«,Ü,·□Bfgf‰of“fUfNfVf†f“,ðŠJŽn,·,é,Æ□C□mfgf‰of“fUfNfVf†f“,ìfRf~fbfg(M)□n,Åfgf‰of“fUfNfVf†f“,ðŠ®—¹,µ,½,è□C□mfgf‰of“fUfNfVf†f“,ìf□□[f<fofbfN(R)□n,Å□^—□,ðZæ,è□A,µ,½,è,Å,«,Ü,·□B,Ü,½□C□mSQL •¶,ì“ü—í□nfy□[fW,²•\ž!,³,ê,Ä,¢,é□ê□‡,í□mBLOB fGfNfXfvf□□[f‰o□nf{f^f“,ì‰oE,É□mfgf‰of“fUfNfVf†f“,ìŠJŽn/fRf~fbfg□nf{f^f“,²•\ž!,³,ê,é,ì,Å□C,±,if{f^f“,ðžg—p,·,é,±,Æ,à,Å,«,Ü,·□B

## **mBLOB fGfNfXfvf**

%oEfNfSfbfN,µ,ÄmBLOB fGfNfXfvf [f%o]n,ð'l'ð,·,é,CÜ,½,ím•\Z|(V)bBLOB  
fGfNfXfvf [f%o](E)n,ð'l'ð,·,é,AECBLOB fGfNfXfvf [f%o,²•\Z|,³,ê,Ü,·B,±  
,lfEfBf"fhfE,íC'l'ð,³,ê,½ BLOB ftfB[f<fh,ð%oæ'œfCf [fW,Ü,½,ífefLfxfg,AE,µ,Ä•\Z|,µ,Ü,·B

## **mSQL X VfefLfxfg(N)nfRf}f“fh**

m•łż|(V)bSQL X VfefLfxfg(N)n,đf`fFfbfN,·,é,AE|C•łX,đ“K—p,·,éłéłł,ÉżÀłs,·,é-  
â,çłłł,í,¹•¶,²•łż|,³,ê,Ü,·łB-  
â,çłłł,í,¹•¶,íłCłmfefLfxfgłnfylfW,łł',«łż,Ýłż~,łłmłXłVfefLfxfgłn—łłæ,É•łż|,³,ê,Ü,·łB

## **□mfgf‰of“fUfNfVftf“,jfRf~fbfg(M)nfRf}f“fh**

□mSQL •¶,ì“ü—í□nfy□[fW,â□mff□[f^□nfy□[fW,Å‰oEfNfŠfbfN,μ,Ä□mfgf‰of“fUfNfVftf“,jfRf~fbfg(M)□n,ð’l’ð,·,é,Æ□C□^—□’†,ì SQL fgf‰of“fUfNfVftf“,ð□l—¹,μ,Ü,·□B,±,jfRf}f“fh,í□C□mfgf‰of“fUfNfVftf“ŠJZn(B)□n,ð’l’ðŒä□C□mSQL •¶,ì“ü—í□nfy□[fW,Ü,½,í□mff□[f^□nfy□[fW,Å‰oEfNfŠfbfN,·,é,Æ□CfRf“fefLfXfgf□fjf...□[,Æ,μ,Ä•\ Ž!,³,ê,Ü,·□Bfgf‰of“fUfNfVftf“,ð□l—¹,¹,,ÉŽæ,è□Á,·,É,í□C□mfgf‰of“fUfNfVftf“,jf□□lf<fofbfN(R)□n,ð’l’ð,μ,Ü,·□B  
,Ü,½□C□mSQL •¶,ì“ü—í□nfy□[fW,³•\ Ž!,³,ê,Ä,¢,é□ê□‡,í□mBLOB fGfNfXfvf□□[f‰o□nf{f^f“,ì‰oE,É□mfgf‰of“fUfNfVftf“,iŠJZn/fRf~fbfg□nf{f^f“,³•\ Ž!,³,ê,é,ì,Å□C,±,jf{f^f“,ðŽg—p,·,é,±,Æ,à,Å,«,Ü,·□B

## mfifBfNfVftfifS,iñíœnf\_fCfAfOf{fbfNfX

,±,íf\_fCfAfOf{fbfNfX,ÅCíœ,μ,½,¢Šù'¶,íff[f^fffBfNfVftfifS,í-  
¼'Ø,ðžw'è,μ,Ü,·BmfffBfNfVftfifS-¼ñRf"j{f{fbfNfX,ÉŠù'¶ff[f^fffBfNfVftfifS-¼,ð"ü—  
í,Ü,½,í'l'ð,μ,Ü,·BmfffBfNfVftfifS,iñíœnf\_fCfAfOf{fbfNfX,ð•\  
ži,·é,É,iñCmfffBfNfVftfifS(D)bñíœ(D)n,ð'l'ð,μ,Ü,·B

## mÚx(D)nfRf}f“fh

m•\Z!(V)bÚx(D)n,ðŽg,æ,ÆC‰Efycf„,Å,íµ•ñ,í•\Z!•û-  
@,ðŽw'è,Å,«,Ü,·Bf`fFfbfN,·,é,ÆC¶fyfcf„,Å<’2•\Z!,³,ê,Å,¢,éflfufWffNfg,í“à—e,<sup>a</sup>  
‰Efycf„,ÉfSfxfgŒ`Ž®,Å•\Z!,³,ê,Ü,·BŠÖ~A,·,éfRf}f“fh,Æ,µ,Å,íCm•\Z!(V)b^ê—  
(L)nCm•\Z!(V)b'å,«,¢fAfCfRf“(G)nC,“,æ,Ñm•\Z!(V)b¬,³,¢fAfCfRf“(M)n,<sup>a</sup>, ,è,  
Ü,·B

## **mŽÀs(X)nfRf}f“fh**

mSQL •¶,í“ü—ínfy[fW,‰EfNfŠfbfN,μ,ÄmŽÀs(X)n,ð’l’ð,·,é,AECŒ»Ý,í SQL  
•¶,ðŽÀs,μ,Ü,·B,±,lfRf}f“fh,íCmSQL •¶,í“ü—ínfy[fW,‰EfNfŠfbfN,μ,½ê‡,É•\nZ!,³,ê,Ü,·B

## mftf@fCf<,Ö“,«o,μ(E)nfRf}f“fh

mfffBfNfVftifS(D)bftf@fCf<,Ö“,«o,μ(E)n,ðŽg,¤,ÆCff[f^fffBfNfVftifS,ðftf  
‰fbfgftf@fCf<,Æ,μ,Ä•Ü’¶,Å,«,Ü,·B,±,lfvfvftf“,Í•;”,ÍS]”ŽOŠO,Åff[f^fffBfNfVftifS,ð¤—  
L.,éê‡,É•Ö—~,Å,·B,±  
,lfRf}f“fh,ímfffBfNfVftifS.lftf@fCf<,Ö,í“,«o,μnf\_fCfAfOf{fbfNfX,ð•\br/>ž,μ,Ü,·Bftf@fCf<,ð“,«o,μ,½,çCmfffBfNfVftifS(D)bftf@fCf<,©,çžæ,èž,Ý(I)n,ðŽg,¤  
,Æžæ,èž,ñ,Å,»¸é,±,Æ,¤,Å,«,Ü,·B

## **fffBfNfVftifS,iftf@fCf<,Ö,i',«o,μnf\_fCfAfOf{fbfNfX**

fffBfNfVftifS,iftf@fCf<,Ö,i',«o,μnf\_fCfAfOf{fbfNfX,đŽg,Á,ÄCBorland  
fffBfNfVftifSCEđS·ftf@fCf<·i.BDXjŒ`Ž®,iff[f^fffBfNfVftifS,đ,C,«o,·êš,AE•ü-  
@,đŽw'è,μ,Ü,·B,±,if\_fCfAfOf{fbfNfX,đ•\ Ži,·,é,É,íCmfffBfNfVftifS(D)bftf@fCf<,Ö',«o,μ(E)n,đ'l'đ,μ,Ä,,¾,³,¢B  
žY,ì•\,É,±,if\_fCfAfOf{fbfNfX,ifRf“fgf[]f<,AE,»,ižg—p•ü-@,đŽi,μ,Ü,·B

### **fRf“fgf[]f<**

### **žg—p•ü-@**

m',«o,μftf@fCf<(F)n•ÒWf{fbfNfX

ìñ¬,éftf@fCf<-¼,đŽw'è

mžQÆ(B)nf{f^f“

fffBfNfVftifSCEđS·ftf@fCf<·i.BDXjŒ`Ž®,iff[f^fffBfNfVftifS,đ•\ Ži,·,éB,±,ê,íC•W€,  
,if\_mftf@fCf<·Ü'¶nf\_fCfAfOf{fbfNfXimfRf“f|  
[flf“fgfpfCEfbfgn,imDialogsñfy|[fW,ifRf“f|  
[flf“fg,AE,μ,Ä,—~—p,Å,«,éj,đŠi,Éñ¬,³,é,Ä,¢  
,éBmftf@fCf<,iži—þnfRf“f{f{fbfNfX,Á,íCBorland  
fffBfNfVftifSCEđS·ftf@fCf<·i.BDXjŒ`Ž®,iff[f^fffBfNfVftifS,đCEÝ  
đö,·,é,æ,¤,ÉŽ-'O,ÉñY'è,³,é,Ä,¢,éB,±  
,if\_fCfAfOf,Äftf@fCf<,đ'l'đ,·,é,AEíCmfffBfNfVftifS,iftf  
@fCf<,Ö,i',«o,μnf\_fCfAfOf{fbfNfX,ím',«o,μftf@  
fCf<(F)n•ÒWf{fbfNfX,É,»,é,²} “ü,³,é,é

m',«o,μŒ`Ž@ñf%oWf]f{f^f“

fffBfNfVftifSff[]f^,ìŒ`Ž®,đŽw'èBžY,ì,¢,.,é,C,đ'l'đ

1. fffBfNfVftifS,ì'Sff[]f^B,±,iflfvfVftf“,đ'l'đ,·,é,AEíC  
—~—p‰A’\ ,È,·,×,Ä,iff[]f^fx[]fX,ì'S’®«fZfbfg,đ’,«o,  
2. ‘l'đ,μ,½ff[]f^fx[]fX[]B,±,iflfvfVftf“,đ'l'đ,·,é,AEíC  
,iflfvfVftf“,đ'l'đ,·,é,AEíC’®«fZfbfg,ì’,«o,μŒ³,iff[]  
f^fx[]fX,đŽw'è,Ä,«,é  
3. ‘l'đ,μ,½fAfgfŠfrf...[]fg[]B,±,iflfvfVftf“,đ'l'đ,·,é,AEíC1  
,Ä,iff[]f^fx[]fX“à,ì,C,ì’®«fZfbfg,đ,C,«o,·,çžw'è,  
Ä,«,é

m',«o,μfŠfxfg(X)ñfŠfxfg{fbfNfX

ff[]f^fx[]fX,Ü,½,í’®«fZfbfg,đ•i”’l'đ,Ä,«,é

## **mftfBf<f^ (F)nfRf}f“fh**

%oEfyfCf“,ímff[f^nfy][fW,‰EfNfŠfbfN,μ,ÄmftfBf<f^ (F)n,ð’l’ð,·,é,ÆCŽ®,ð“ü—í,μ,Ä•\Ž|,·,éff[f^,ð’l’ð,Ä,«,Ü,·BmftfBf<f^,íY’ènf\_fCfAfOf{fbfNfX,³•\Ž|,³,é,Ü,·B

mSQL •¶,í“ü—ínfy][fW,‰EfNfŠfbfN,μ,ÄmftfBf<f^ (F)n,ð’l’ð,·,é,ÆC•\Ž|,·,é-â,¢‡,í,¹Œ<%oÊ,ðŽw’è,Ä,«,Ü,·B

## **mftfBf<f^,iÝ'ènf\_fCfAfOf{fbfNfx**

,±,íf\_fCfAfOf{fbfNfx,Åž®,ð“ü—í,·,é,ÆCmff[f^nfy][fW,âSQL -â,¢‡,í,¹Œ<%oÊ,É%o½,ð•\ž|,·,é,©,ðžw'è,Å,«,Ü,·BmftfBf<f^,íÝ'ènf\_fCfAfOf{fbfNfx,ð•\ž|,·,é,É,íCmff[f^nfy][fW,Ü,½,ímSQL •¶,í“ü—ínfy][fW,Å%oEfNfŠfbfN,μ,ÄmftfBf<f^(F)n,ð'l'ð,μ,Ü,·B

## **f\_fCfAfOf{fbfNfxflfvfVftf“**

### **ftfBf<f^ž®**

•ž|,·,éff[f^,ðžw'è,·,éž®·B  
ftfBf<f^ž®,É,í,·,æ,è'åjCf|i,æ,è¬jC||i"™,μ,¢j,È,C|C,·,x,Å,í·W€"I,È"äŠr%o%ožzžq,ðžg—p,Å,«,Ü,·B,±,ê,ç,í%o%ožzžq,íC||"l,åfAf<ftf@fxfbfg|i•¶žšj,í'l,ð"äŠr,·,é,½,ß,Éžg—p,·,é,±,Æ,¤,Å,«,Ü,·B•¶žšfŠfef%oof<,íø—p•,,Å^í,Ü,È,·,ê,í,È,è,Ü,¹,ñB||"lfŠfef%oof<,íø—p•,,É"ü,ê,Å,í,È,è,Ü,¹,ñB  
ftfBf<f^,Åžg—p,³,ê,éše%o%ožzžq,íC,·éŒ^,Ü,Å,½‡~^,Å•]‰j,³,ê,Ü,·B  
,Q,Å^Èä,í‰%o%ožzžq,ðšÜ,pž®,Å,íCžY,í\,Åž|,³,ê,é—Dæ‡^È,Å‰%o%ožzžq,¤•]‰j,³,ê,Ü,·B

—Dæ‡^È‰%ožzžq

- 1 ( ) [ ] " "
- 2 \* / %
- 3 + -
- 4 = <> < <= > >=
- 5 NOT
- 6 AND
- 7 OR
- 8 , (fJf"{}f)

fJfbfR"à,³í,Éæ,É•]‰j,³,êCfJfbfR,³,ç,ÉfJfbfR,Å^í,Ü,ê,Å,¢,éê‡,íC"à'¤,ífJfbfR"à,³æ,É•]‰j,³,ê,Ü,·B",¶—Dæ‡^È,í,à,í,íC¶,©,ç‰E,í‡,ÉŒvžZ,μ,Ü,·B

ftfBf<f^ž®,í—á,ðžY,Éž|,μ,Ü,·B,±,í—á,Å,í€—Ú Category ,Éuf,f"fkf‰fJfMv,ðž,ÅfŒfR[fh,³/₄,·,ž|,³,ê,Ü,·B

Category = 'f,f"fkf‰fJfM'

## **mff][f^fx][fx, ©, çŽæ, èõž, Ÿ(M)nfRf}f“fh**

mfffBfNfVf#fifS(D)bfff][f^fx][fx, ©, çŽæ, èõž, Ÿ(M)n, ðŽg, ø  
, ÆCŠù’¶, iff][f^fx][fx, ©, cfff][f^fffBfNfVf#fifS, Öfe][fuf<fxfl][f}][↑•ñ, ðŽæ, èõž, ß, Ü, ·B, ±  
, lfRf}f“fh, íCmff][f^fx][fx, ©, cfffBfNfVf#fifS, ÖŽæ, èõž, Ÿnf fCfAf][fOf{fbfNfX, ð•\Z|, µ, Ü, ·B  
fT][fo][, ì§-ñ, Æfftfg, í, ·, x, ÄŽ© “® “I, ÉŽæ, èõž, Ü, ê, Ü, ·B

mf<sup>1</sup>[f^fx][fX, ©, cf<sup>1</sup>BfNfVfifS, ÖZæ, èž, Ýnf\_fCfAfOf{fbfNfX

mf<sup>1</sup>[f^fx][fX, ©, cf<sup>1</sup>BfNfVfifS, ÖZæ, èž, Ýnf\_fCfAfOf{fbfNfX, ÅCCE»]Y, if<sup>1</sup>[f^fffBfNfVf  
ififS, É’@<fZfbfg, ÄE, μ, ÄZæ, èž, Ý, ½, cfjf%of€’@<, öZ, ÄŠù’¶, if<sup>1</sup>[f^fx][fX, i-  
¼’O, öZw’è, μ, Ü, ·Bmf<sup>1</sup>[f^fx][fX-¼nfRf“f{f{fbfNfX, ÉŠù’¶if<sup>1</sup>[f^fffBfNfVfifS-¼, ö”ü—  
í, Ü, ½, í’ł, μ, Ü, ·B

,±,if\_fCfAfOf{fbfNfX, ö•\

ž!, ·, é, È, íCmf<sup>1</sup>BfNfVfifS(D)bf<sup>1</sup>[f^fx][fX, ©, czæ, èž, Ý(M)n, ö’ł, μ, Ä, , ¾, ³, f·B

## **mftf@fCf<, © ,çŽæ, èõž, Ÿ(I) nfRf} f“fh**

ÍmfffBfNfVftifS(D)bftf@fCf<, © ,çŽæ, èõž, Ÿ(I)n, ðŽg, x, ÆCftf  
‰fbfgftf@fCf<, © ,çfe[fuf<fxfL[f} i•ñ, ðŽæ“³/₄, Å, <, Ü, ·B, ±  
, jfRf} f“fh, íCmftf@fCf<, © ,çfffBfNfVftifS, ÓŽæ, èõž, Ÿnf fCfAfOf{fbfNfX, ð•\  
ž, µ, Ü, ·Bžæ, èõž, þftf@fCf<, ði¬, ·, é, É, íCmfffBfNfVftifS(D)bftf@fCf<, Ó', «o, µ(E)n, ðž  
g, ¢, Ü, ·B

## Ímftf@fCf<, © ,çfffBfNfVftifS, ÖŽæ, èž, Ýnf\_fCfAfOf{fbfNfX, ímftf@fCf< bŠJ,-

Ín, ö'l'ð, ·, é, ÅE•\Z|, <sup>3</sup>, ê, é•W€, lf\_fCfAfOf{fbfNfX|i\_mfRf"fl|[flf"fgfpfCEfbfgn, ]mDialogs\_nf[y][fW, lfRf"fl|[flf"fg, ÅE, µ, Å—~—p, Å, «, éj, öŠî, Éòìò¬, <sup>3</sup>, ê, Å, ç, Ü, ·, Bmftf@fCf<, iží—þnfRf"f{f{fbfNfX, Å, íCBorland  
ffffBfNfVftifSCEöŠ·ftf@fCf<i.BDXj, išg'£žq, öŽl, Åftf%ofbfgrftf@fCf<, öŒÝòö, ·, é, æ, x, Ež-'O, EòY'è, <sup>3</sup>, ê, Å, ç, Ü, ·, B, ±, lftf@fCf<, iží—  
þ, E, íC^E' O, E, ©, «o, µ, ½ff[f^ffffBfNfVftifS, a"ü, è, Ü, ·, B  
±, lf\_fCfAfOf{fbfNfX, ö•\ž|, ·, é, E, íCmffffBfNfVftifS(D)bftf@fCf<, ©, çžæ, èž, Ý(l)n, ö'l'ð, µ, Å, <sup>3</sup>/4, <sup>3</sup>, ç, B

## fffBfNfVftfifS, Öžæ, èž, YnfRf}f“fh

m^é—–nfy[fW, Ü, ½, ím’è<`nfy[fW, Å  
‰EfNfSfbfN, μ, ÄmfffBfNfVftfifS, Öžæ, èž, Yn, ð'l'ð, ·, é, ©CmfufWfFfNfg(O)bffffBfNfVftfifS, Öžæ, èž, Yn, ð'l'ð, μ, ÄC'l'ð, μ, ½fe[fuf<, ©, çŒ»ÙY, lffffBfNfVftfifS, Öfe[fuf<fxflÙ{f}Ùí•ñ, ðžæ, èž, Y, Ü, ·B

fT[fo[.í§-ñ, Äfffftjhfg, í, ·, x, Äž©“®“I, Éžæ, èž, Ü, ê, Ü, ·B  
, ±, jRf}f“fh, íCmff[f^fx[fX, ©, cžæ, èž, Y(M)n, Äž—, Ä, ç  
, Ü, ·B, ½, ¾, μCmff[f^fx[fX, ©, cžæ, èž, Y(M)n, íCff[f^fx[fX'S'í, öžæ, èž, þ, ¾, -, Å, ·B  
mffffBfNfVftfifS, Öžæ, èž, Yn, ðžg, x, ÄCŒÅX, lfe[fuf<Cfrf...  
íC, „, æ, Ñfhf[fCf”, öžæ, èž, þ, Ü, ·B  
, ±, jRf}f“fh, öžg, x, ÄCmSm”Fnf\_fCfAfOf{fbfNfX, a•\  
ží, „, ê, Ü, ·BmOKn, ð'l'ð, μ, ÄCžæ, èž, Y, ð'±s, ·, é, ©CmfLfff“fZf<n, ð'l'ð, μ, Ä'€ì, öl—  
, μ, Ä, , ¾, „, fB

## ¶mffffBfNfVftfifS,Öžæ,èž,Ýnf\_fCfAfOf{fbfNfx

¶m^ê——¶nfy¶[fW,Ü,½,ím'è<`¶nfy¶[fW,Å  
‰EfNfŠfbfN,µ,Ä¶mffffBfNfVftfifS,Öžæ,èž,Ýn,ð'l'ð,·,é,©¶C¶mflufWfFfNfg(O)¶bffffBfNfVftfifS,Öžæ,èž,Ýn,ð'l'ð,·,é,Æ¶C'I'ð,µ,½fe¶[fuf<,©,çŒ»¶Y,¶ffffBfNfVftfifS,Öfe¶[fuf<fxfL¶[f}¶í•ñ,  
ažæ,èž,Ü,ê,Ü,·¶B

Œ»¶Y,¶ffffBfNfVftfifS,ª Delphi ,í^È'O,¶fo¶[fWftf“,Å¶i¶¬,³,ê,Ä,¢,é¶ê¶C,±,¶f\_fCfAfOfO,ª•\  
ž!,³,ê,Ü,·¶B

¶mYes¶n,ð'l'ð,·,é,Æ¶CŒ»¶Y,¶ffffBfNfVftfifS,ð¶Å¶V,íŒ`Ž®,É•ïš·,µ,È,¢  
ffffBfNfVftfifSŒ`Ž®,É•ïš·,µ,Ä¶C'I'ð,µ,½flufWfFfNfg,ð,>,¶ffffBfNfVftfifS,Éžæ,èž,Ü,ê,Ü,·¶B

¶mNo¶n,ð'l'ð,·,é,Æ¶CffffBfNfVftfifS,ð¶Å¶V,íŒ`Ž®,É•ïš·,µ,È,¢  
,Å'l'ð,µ,½flufWfFfNfg,ðŒ»¶Y,¶ffffBfŒfNfgfS,Éžæ,èž,Ü,ê,Ü,·¶Bžæ,èž,Ý,Å,íŒ^È'O,¶fo¶[fWf  
ftf“,ÅfTf|¶fg,µ,Ä,¢,É,¢¶§-ñ,â,>,í¹/₄,¶ffffBfNfVftfifS<@"/\,í-³ž<,³,ê,Ü,·¶B

¶mCancel¶n,ð'l'ð,·,é,Æ¶C,±  
,¶f\_fCfAfOf{fbfNfx,ª•Å,¶,ç,ê¶CffffBfNfVftfifS,í¶Å¶V,íŒ`Ž®,É•ïš·,³,ê,¶C,Ü,½¶C'I'ð,µ,½fluf  
WfFfNfg,íŒ»¶Y,¶ffffBfNfVftfifS,Éžæ,èž,Ü,ê,Ü,¹,ñ¶B

'¶^Ó: ¶mYes¶n,ð'l'ð,µ,ÄŒ»¶Y,¶ffffBfNfVftfifS,ðfAfbfvOfŒ¶[fh,·,é¶ê¶C¶Å‰‰  
,ÉffffBfNfVftfifS,¶ftf@¶Cf<sup>IMPEXP.BDX</sup>  
,É',«¶o,³,ê,Ü,·¶BžÝ,É¶C,>,¶ftf@¶Cf<,ðžæ,èž,Ý,Ü,·¶B,±,í,½,¶CffffBfXfN—e—  
É•s‘,ì,æ,¤,È‰½,©,íŒ`^ö,Åžæ,èž,Ý,Ü,·¶B,±,í,½,¶CffffBfXfN—e—  
,í¶ê¶f,í¶C¶mffffBfNfVftfifS(D)¶bftf@¶Cf<,©,çžæ,èž,Ý(I)¶n,ð'l'ð,µ,Ä¶CIMPEXP.BDX  
,ðžæ,èž,þ,±,Æ,à,Å,«,Ü,·¶B

## ■mŽ®, i]Y'ènf\_fCfAfOf{fbfNfx

,±,íf\_fCfAfOf{fbfNfx,ðŽg,Á,Ä,CfffBfNfVfifS,ífGf“fgfS,ð]~-,Å,«,Ü,·B“ü—Í,μ,½Ž®,í—  
LŒø«,ðŒÝØ,·,é,É,ÍCmValidaten,ð'l'ð,μ,Å,,¾,³,¢B  
^È‰‰,ÉŽI,·‰‰žZžq,žg—p,Å,«,Ü,·B  
ŠÖŒW‰‰žZžq = C<>C>C<=C= CIS NULL CIS NOT NULL CBETWEEN  
žZ]p‰‰žZžq \*C/C-C-+  
Øi'Ø^Ó: +,í•¶Žš—ñ,É'Î,μ,Ä,C-,ífofCfifS,AE'PØ€‰‰žZžq,í—  
¼•Û,É'Î,μ,Ä—LŒø,Å,·B]j  
•¶Žš—ñ‰‰žZžq LIKE  
•¶Žš—ñSÖ”  
iSQL 92 \•¶j UPPER  
LOWER  
TRIM ( <string value> ) -- •¶Žš—  
ñ'l,©,çæ“²,Æ--"ö,ì<ó",ðŽæ,èœ,  
TRIM ( <character value> from <string value> ) -- •¶Žš—  
ñ'l,©,çæ“²,Æ--"ö,ì <character value>,ðŽæ,èœ,  
,³,ç,É,C•¶Žš—ñ,ì,ç,ì•”•²,©,çfgfSf€,·,é,©,ð  
LEADING CTRAILING C,Ü,½,í BOTH ,ðŽg,Á,Äžw'è,Å,«,éB—á,ð^È  
‰‰,ÉŽI,·B  
TRIM(TRAILING 'X' FROM 'zzzx')  
TRIM(TRAILING FROM 'zzz ')  
,±,í]éC—¼•Û,Æ,àuZZZ]v,ð•Ô,·B  
SUBSTRING ( <starting position> FROM <string value> )  
<starting position>,Äžw'è,³,ê,½^È'u^È]~,ì <string value>  
,íTfufXfgfSf“fO,ð•Ô,·B<starting position>,í”"l,Å,È,¬,ê,ì,È,ç,È,¢  
SUBSTRING ( <starting position> FROM <string value> FOR  
<length> ) <starting position>,Äžw'è,³,ê,½^È'u^È]~,ì <string  
value>,íTfufXfgfSf“fO,ð•Ô,·B<starting position>  
,í”"l,Å,È,¬,ê,ì,È,ç,È,¢í]ä<L,Å]à-¾,μ,½,à,ì,Æ"—  
í]B,½,¾,μC•Ô,·•¶Žš",í <length>,Äžw'è,³,ê,½",ð]Å'å,Æ,·,é  
,»]¹/₄  
IN  
EXTRACT( )iSQL 92 \•¶j--  
ŽY,ÉŽI,·]•¶,ðŽg,Á,Ä,C“ú•tžž]ftfB[f<fh,©,ç 1  
,Å,í”"lftfB[f<fh,ðŽæ,èœo,  
EXTRACT ( <extract\_field> FROM <field\_name> )  
,½,Æ,!,íCŽY,ì•¶,í DATE ftfB[f<fh,©,ç YEAR ,í'l,ðŽæ,èœo,μ,Å,¢,é  
EXTRACT (YEAR FROM HIRE\_DATE)  
,Ü,½C,±,íSÖ",ðŽg,!,í MONTH CDAY CHOUR CMINUTE C,“,æ,Ñ  
SECOND ,ðŽæ“¾,Å,«,éBEXTRACT ,í TIMEZONE\_HOUR ,â  
TIMEZONE\_MINUTE ]ß,íTf]fg,μ,Å,¢,È,¢  
SYSDATE, getdate() -- CŒ»]Y,í“ú•t,Æžž]Ø,ðŽæ“¾,·,éSÖ”

**'**Ó: SQL ,í NULL ——,É,Â,¢,Ä

•W€ SQL 92 ,Å,í NULL ,í'è<` ,ðŽg,Á,ÄŽ®,í•]‰,³,ê,Ü,·B,±,ê,íC,½,Æ,! ,í NameField  
<> 'Delphi' ,í,æ,¤,ÈŽ®,í NameField ,¤ NULL ,íê‡,É FALSE ,Æ,µ,Ä•]‰,³,ê,é,±  
,Æ,ð^Ó-¡,µ,Ü,·B,±,í,æ,¤,ÈŽ®,Å NULL 'l,ð^µ,¡,é,æ,¤,É,·,é,É,íCŽÝ,í,æ,¤,É“ü—í,µ,Ä,-  
,³/4,³,¢B

NameField <> 'Delphi' ,Ü,½,í NameField IS NULL

## **m'å,«,¢fAfCfRf“(G)nfRf}f“fh**

m•\Z(V)b'å,«,¢fAfCfRf“(G)n,ðŽg,¤,ÆC‰Efycf“,Å,í•ñ,í•\Z•û-  
@,ðŽw'è,Å,«,Ü,·Bf`fFfbfN,·,é,ÆC¶fyfcf“,Å<’2•\Z,³,ê,Å,¢,éflfufWfFfNfg,í“à—e,<sup>a</sup>  
‰Efycf“,É'å,«,EfAfCfRf“,Æ,µ,Å•\Z,³,ê,Ü,·BŠÖ~A,·,éfRf}f“fh,Æ,µ,Å,íCm•\Z(V)b^é—  
(L)nCm•\Z(V)bÚx(D)nC,“,æ,Ñm•\Z(V)b¬,³,¢fAfCfRf“(M)n,<sup>a</sup>, ,è,Ü,·B

## **m^é—(L)nfRf}f“fh**

m•ž|(V)b^é—(L)n,đžg,¤,ÆC‰Efycf„,Å,í†•ň,í•ž|•û-  
@,đžw'è,Å,«,Ü,·Bf`fFfbfN,·,é,ÆC¶fyfCf„,Å<’2•ž|,³,é,Å,¢,éflfufWffNfg,í“à—e,<sup>a</sup>  
‰Efycf„,ÉfŠfxfgŒ`ž®,Å•ž|,³,é,Ü,·BŠÖ~A,·,éfRf}f“fh,Æ,µ,Å,íCm•\  
ž|(V)bÚ×(D)nCm•ž|(V)b'å,«,¢fAfCfRf“(G)nC,“,æ,Ñm•\  
ž|(V)b—,³,¢fAfCfRf“(M)n,<sup>a</sup>,è,Ü,·B

## **mftf@fCf<, © ,ç“Ç, Ýż, ÝnfRf} f“fh**

mSQL •¶, i“ü—ínfy[fW, Å‰%EfNfSfbfN, µ, Ämftf@fCf<, © ,ç“Ç, Ýż, Ýn, ð'l'ð, ·é, ÆCSQL  
•¶, ðfefLfxfgftf@fCf<, © ,ç“Ç, Ýż, P, ±, Æ, a, Ä, <, Ü, ·B, ±, ifRf} f“fh, íCmSQL  
•¶, i“Ç, Ýż, Ýnf fCfAfOf{fbfNfX, ð•\Z|, µ, Ü, ·BmfeLfxfgnfy[fW, i“à—  
e, ðff[f^fx[fXfGfNfXfvf‰, Äftf@fCf<, Æ, µ, Ä•Ü'¶, ·é, É, íCmftf@fCf<, É•Ü'¶n, ðžg—  
p, µ, Ä,, ¾, ³, ¢B

## mSQL •¶,ì“Ç,Ýż,Ynf\_fCfAfOf{fbfNfx

mSQL •¶,ì“Ç,Ýż,Ynf\_fCfAfOf{fbfNfx,íCmftf@fCf<]bSJ,]n,ð'l'ð,·,é,Æ•\Z|,³,ê,é•W€ ,jf\_fCfAfOf{fbfNfx,ðSí,É]n,³,ê,Ä,¢,Ü,·Bmftf@fCf<,jZí—  
þnfRf“f{f{fbfNfx,Å,íCSg'fZq .SQL ,ðZ,ÅfefLfXfgftf@fCf<,ðCEYõ,·,é,æ,¤ ,ÉZ-'O,ÉYè,³,ê,Ä,¢,Ü,·B,±,ì,æ,¤,Eftr@fCf<,íC,»,ê,¹/₄,ê—LCEø,È SQL –  
â,¢‡,í,¹•¶,ðZ,Å,Æ,Y,È,³,ê,Ä,¢,Ü,·B—LCEø,È•¶,Æ,íCff[f^fx][fxGfNfxfvf][f‰,Ü,½,í  
BDE Administrator ,‰EfryfCf“,ímSQL •¶,ì“ü—ínfy][fw,É, ,é SQL  
•¶•ÓWf{fbfNfx,É“Ç,Ýż,B,é,±,Æ,ð^Ó-;µ,Ä,¢,Ü,·B  
,±,jf\_fCfAfOf{fbfNfx,ð•\Z|,·,é,É,íCmSQL •¶,ì“ü—ínfy][fw,Å  
‰EfNfSfbfN,µ,Ämftf@fCf<,©,ç“Ç,Ýż,Yn,ð'l'ð,µ,Ä,³/₄,³,¢B

## **mffffBfNfVftfifŠ, iV<K>i→nf\_fCfAfOf{fbfNfx**

mffffBfNfVftfifŠ, iV<K>i→nf\_fCfAfOf{fbfNfx, ÅC̄i¬, μ, ½, cf[f^ffffBfNfVftfifŠ, i†•ñ, ðŽw'è, μ, Ü, ·B·V, μ, cf[f^ffffBfNfVftfifŠ, ði¬, ·, é, É, iCŽY, ižè‡, É], Å, Ä, ¾, ³, cfB

1. mffffBfNfVftfifŠ-¼n•ØWf{fbfNfx, ÉffffBfNfVftfifŠ-¼, ð“ü—í, μ, Ü, ·B
2. mff[f^fx[fXnfŠfXfgf{fbfNfx, ©, cffffBfNfVftfifŠff[f^fx[fXfGfŠfAfX, ð'l'ð, μ, Ü, ·B
3. mfe[fuf<-¼n•ØWf{fbfNfx, ÉffffBfNfVftfifŠ, iff[f^, É'î, ·, éfe[fuf<-¼, ð“ü—í, μ, Ü, ·B
4. mfRf[f“fgnf]f,f{fbfNfx, Éff[f^ffffBfNfVftfifŠ, ià-¾, ð“ü—í, μ, Ü, ·iflfvfVftf“ojB
5. •K—v, È†•ñ, ð'Ç‰Å, μ, ½, cCmOKn, ðfNfŠfbfN, μ, Ü, ·B

## **m&lt;&gt;(O)nfr}f“fh**

mff[f^nfy][fW,À‰EfNfSfbfN,µ,Äm&lt;&gt;(O)n,ð'l'ð,·,é,ÆCf\\  
[fg'íÜ,]fCf“fffbfNfX,ðžw'è,Å,«,Ü,·B,Ü,½C,±,±,Å <none>  
,ð'l'ð,·,é,íêžž"l,ÉŠù'¶,]fCf“fffbfNfX,žg—p,Å,«,È,é,ì,ÅC\\V,µ,cfŒfR[fh,]f\\  
[fg,³,é,Ü,¹,ñB,±,]fRf}f“fh,íêžž"l,È,à,ì,ÅCfe[fuf<,É“K—  
p,³,é,½fCf“fffbfNfX,í•íX,³,é,Ü,¹,ñB

m&lt;&gt;(O)n,ð'l'ð,·,é,ÆC\\m&lt;&gt;,íY'ènf fCfAf\\fOf{fbfNfX,žl,³,é,Ü,·B

## **mf~^~,i~Y'~nf\_fCfAfOf{fbfNfx**

mf~^~,i~Y'~nf\_fCfAfOf{fbfNfx,ðŽg,Á,Ä~C~mff[f^~nfy][fW,Å,iff[f^,i~\~;~f,ðŽw'~è,Å,«,Ü,·~B,±,if\_fCfAfOf{fbfNfx,ð~\~;~,é,É,Í~C~mff[f^~nfy][fW,Å%oEfNfSfbfN,μ,Ä~m~^~(O)~n,ð'~'~ð,μ,Ü,·~B

## **f\_fCfAfOf{fbfNfxflfvfVftf“**

### **mfCf“fffbfNfx~€-Ú~n**

'~'~ð,³,ê,½fCf“fffbfNfx,ÉŠÜ,Ü,é,éftfB[f<fh~B

### **mf'~'~ð‰~Å”\,EfCf“fffbfNfx~n**

ff[f^,i~\~[fg]~f,ðŽw'~è,~,é,i,É'~'~ð,Å,«,éfCf“fffbfNfx~B

### **mfCf“fffbfNfx(I)~n**

mfCf“fffbfNfx,i~Y'~nf\_fCfAfOf{fbfNfx,ð~\~;~,μ,Ü,·~B,±,if\_fCfAfOf{fbfNfx,ðŽg,Å,Ä~CSQL fe[fuf<~EŠO,if~\~[fg—p,ÉfCf“fffbfNfx,ð'~ç‰~Å,μ,½,è~CfSfxfg,©,cfCf“fffbfNfx,ð~í~œ,μ,Ü,·~B

## **mfCf“ffffbfNfX,íÝ’è\_nf\_fCfAfOf{fbfNfX**

mfCf“ffffbfNfX,íÝ’è\_nf\_fCfAfOf{fbfNfX,ðŽg,Á,ÄCmff[f^nfy][fW,íff[f^f][fg—p,ífCf“ffffbfNfX,í’Ç‰Á,Æíœ,ðs,¢,Ü,·B,±,íf\_fCfAfOf{fbfNfX,ð•\Z,·,é,É,íCmff[f^nfy][fW,Á‰EfNfŠfbfN,µ,Äm‡~(O)n,ð'l'ð,µ,Ä,©,çCm‡~,íÝ’è\_nf\_fCfAfOf{fbfNfX,ímfCf“ffffbfNfX\_nf{f^f”,ðfNfŠfbfN,µ,Ü,·B

## **f\_fCfAfOf{fbfNfXfIfvfVf#f“**

### **mfCf“ffffbfNfXn**

’l’ðff[f^,í•\Z;ä,íf][fg‡,ðŒ^’è,·,é,í,É—~—p,Á,«,éfCf“ffffbfNfX,ð^ê——•\Z,µ,Ä,¢,Ü,·B

### **m’Ç‰Á(A)n**

fŠfxfg,ÉfCf“ffffbfNfX,ð’Ç‰Á,µ,Ü,·B

### **míœ(D)n**

fŠfxfg,©,çfCf“ffffbfNfX,ðíœ,µ,Ü,·B

### **mfNfŠfA(C)n**

fŠfxfg,©,ç,·,×,Ä,ífCf“ffffbfNfX,ðíœ,µ,Ü,·B

## **mSQL(Q)nfRf}f“fh**

mf|fvfVff“(P)bSQL(Q)n,ðŽg,¤,ÆCmSQL •¶,í“ü—ínfy|[fW,ÅŽÀs,·,é SQL  
•¶,lf|fvfVff“,ðÝ’è,Å,«,Ü,·BfT|[fo][fxf“f\_,]fc|[f<C,½,Æ,|,Í Sybase isql.exe ,â Microsoft  
SQL Server saf.exe ,É’í,µ,ÄCff|[f^fx|[fXfGfNfXfvf|||f%oo  
,ð§ŒÀ•t,«,íŒÝŠ·,ÅŠÂ<“Ý’è,Å,«,Ü,·B

## **mSQL ,íÝ'ènf\_fCfAfOf{fbfNfx**

mSQL ,íÝ'ènf\_fCfAfOf{fbfNfx,đŽg,Á,ÄmSQL •¶,íÜ—ínfy[fW,ÁŽÀs,·,é SQL •¶,íf\_fvfVftf”,đÝ’è,µ,Ü,·B,±,íf\_fCfAfOf{fbfNfx,đ•\ Ž},·,é,É,íCmflvfVftf”(P)bSQL(Q)n,đ'l'đ,µ,Á,,¾,³,¢B

## **f\_fCfAfOf{fbfNfxflvfVftf”**

### **m•s•ä—£•¶žš(L)n**

s,đæØ,é•¶žš—ñBffffHf,Á,íCfffŠf~f^,íu---v,ÁC•¶fffŠf~f^,íè<,³,ê,Ä,¢ Ü,¹,ñB,½,Æ,!,íCSybase ,íê‡,đugo v,ÉÝ’è,·,é,±,Æ,à,Á,«,Ü,·B

### **m•¶•ä—£•¶žš(S)n**

•¶,đæØ,é•¶žš—ñBffffHf,Á,íCu#0v,Á,·B,±,ê,í-f'è<,đÓ- i,µ,Ü,·B^ê”È”I,È•¶fffŠf~f^,íu;v,Á,·B

### **mfGfxfp[fv•¶žš(E)n**

Gfxfp[fvR[fh,đŽ],·•¶žš—ñBffffHf,Á,íCu#0v,Á,·B,±,ê,í-f'è<,đÓ-i,µ,Ü,·B

### **m^ø—p•,,Åš‡,é(Q)n**

f`fFfbfN,·,é,ÆC^ø—p•,,đ•¶žšfffŠf~f^,Æ,µ,Äžg—p,µ,Ü,·B`fFfbfN,µ,È,¢,ÆC^ø— p•,,đfŠfe%of,Æ,µ,Ä^µ,¢,Ü,·B

### **mfRf“fg,íží—p(C)n**

fRf“fg,đæØ,é•¶žš—ñB

### **m-å,¢‡,í,¹,íŒ<%oÈn**

f`fFfbfN,·,é,ÆC-å,¢‡,í,¹,íŒ<%oÈ,đ•ÒW,Á,«,Ü,·B,±,ê,íCTquery,ì RequestLive fvfpfefB,Æ”-,¶,Á,·B

## **m"Íí(R)nfRf}f"fh**

mff[f^nfy][fW,‰EfNfŠfbfN,μ,Äm"Íí(R)n,ð'l'ð,·,é,ÆC•\  
ž|,·,éff[f^,l"Íí,ðžw'è,Å,<,Ü,·Bm"Íí(R)n,ð'l'ð,·,é,ÆCm"Íí,íÝ'ènf\_fCfAfOf{fbfNfX,  
a•\ž|,³,ê,Ü,·B

## **Ím"í^í,í]Ý'ènf\_fCfAfOf{fbfNfX**

Ím"í^í,í]Ý'ènf\_fCfAfOf{fbfNfX,ðŽg,¤,ÆíCímffí[f^ínfýí[fW,Å•\ Ží,·,éffí[f^,í"í^í,ð'í'ð,Å,«,Ü,·íB,±,íf\_fCfAfOf{fbfNfX,ð•\Ží,·,é,É,ííCímffí[f^ínfýí[fW,Å %oEfNfSfbfN,μ,Äím"í^í(R)í,ð'í'ð,μ,Ü,·íB

## **f\_fCfAfOf{fbfNfXflfvfVftf"**

### **Ímžn"í\_n**

Žw'èftfBí[f<fh,Å•\Ží,·,é'í,í]Åí¬'í]B

### **Ímøl"í\_n**

Žw'èftfBí[f<fh,Å•\Ží,·,é'í,í]Å'å'í]B

### **Ímžn"í\_n,ðšü,ë,¢\_n**

Ímžn"í\_níCímøl"í\_níC,Ü,½,í,»,í—½•û,ðf fFfbfN,μ,ÄíCžw'è,³,ê,½'í,ð•\Ží,μ,ë,¢,æ,¤ ,É,μ,Ü,·íB

## **m“o~^ (R)n|Rf}f“fh**

mfffBfNfVf#fifS(D)b“o~^ (R)n,đŽg,¤,ÆCflfufWfFfNfgfŠf|  
fWfgfŠ,ÉV,μ,¢ff[l^fffBfNfVf#fifS,đ“o~^ ,Å,«,Ü,·B,±  
,lfRf}f“fh,íCmfffBfNfVf#fifS,l“o~^ nf\_fCfAfOf{fbfNfX,đ•\ž;,μ,Ü,·B

## **mfffBfNfVftfifŠ, i“o~^nf\_fCfAfOf{fbfNfx**

- mfffBfNfVftfifŠ, i“o~^nf\_fCfAfOf{fbfNfx, ðŽg, Á, Ä, CflfufWffNfgfŠf|  
fwfgfŠ, É“o~^, μ, ½, ç Šù’¶, lff[f^fffBfNfVftfifŠ, i•ñ, ðŽw’è, μ, Ü, ·B  
±, l\_fCfAfOf{fbfNfx, ð•\Z|, ·é, É, lCmfffBfNfVftfifŠ(D)b“o~^(R)n, ð'l'ð, μ, Ü, ·B  
ff[l^fffBfNfVftfifŠ, ð“o~^, ·é, É, iŽY, ÉŽ|, ·že‡, É], Á, Ä, , ¾, ³, ç B  
1. mfffBfNfVftfifŠ-¼n•ÒWf{fbfNfx, ÉfffBfNfVftfifŠ-¼, ð“ü—í, μ, Ü, ·B  
2. mff[f^fx[lfx]nfšfxfgf{fbfNfx, ©, çfffBfNfVftfifŠff[l^fx[lfxGfšfAfX, ð'l'ð, μ, Ü, ·B  
3. mfe[fuf<-¼n•ÒWf{fbfNfx, ÉfffBfNfVftfifŠ, lff[lf^, É'î, ·éfe[fuf<-¼, ð“ü—í, μ, Ü, ·B  
4. mfRf[f“fg[nf]f, f{fbfNfx, Éff[f^fffBfNfVftfifŠ, ià-¾, ð“ü—í, μ, Ü, ·iflfvfVftf“jB  
5. •K—v, È•ñ, ð'Ç‰Á, μ, ½, ç CmOKn, ðfNfšfbfN, μ, Ü, ·B

## □mfgf‰of“fUfNfVftf”,jf□□[f·fofbfN(R)nfRf]f“fh

□mSQL •¶,ì“ü—í□nfy□[fW,â□mff□[f^□nfy□[fW,Å□mfgf  
‰of“fUfNfVftf”,jf□□[f·fofbfN(R)nfRf]f“fh,í□C□mfgf  
‰of“fUfNfVftf”šjžn(B)□n,ð’l’ðŒä□C□mSQL •¶,ì“ü—í□nfy□[fW,Ü,½,í□mff□[f^□nfy□[fW,Å  
‰EfNfŠfbfN,·,é,Æ□CfRf“feflfXfgf□fjf...□[Æ,μ,Ä•\ži,³,ê,Ü,·□Bfgf  
‰of“fUfNfVftf”,ðžæ,è□A,³,,É□I—¹,·,é,É,í□C□mfgf‰of“fUfNfVftf”,jfRf~fbfg(M)□n,ð’l’ð,μ,Ü,·□B  
,Ü,½□C□mSQL •¶,ì“ü—í□nfy□[fW,³,ê,Ä,ç,é□ê□‡,í□mBLOB fGfNfXfvf□□[f‰o□nf{f^f“,i  
‰E,©,ç 2 ”Ô-U,É□mfgf‰of“fUfNfVftf”,íšjžn/fRf~fbfg□nf{f^f“,³,ê,é,ì,Å□C,±  
,jf{f^f“,ðžg—p,·,é,±,Æ,à,Å,«,Ü,·□B

## □mftf@fCf<,É•Û'¶nfRf}f“fh

‘I’δ,μ,% SQL fIufWfFfNfg,²mfefLfXfg¶nfy|[fW,É•\Z|,³,ê,éfefLfXfg•\CE»,ðŽ[],Â[]ê[]C  
‰EfNfŠfbfN,μ,Ä[]mftf@fCf<,É•Û'¶n,ð'l'δ,μ,Ä[]CflfufWfFfNfg,lfefLfXfg,ðfefLfXfgftf@fCf<,É•Û  
‘¶,Å,«,Ü,·[]B

,Ü,%[]C•í[]X,μ,%fXfNfŠfvfg,ðfefLfXfgftf@fCf<,É•Û'¶,·,é,±,Æ,à,Å,«,Ü,·[]B,±,ê,í[]C“,¶ SQL  
fIufWfFfNfg,ðŽ[],Â•È,ifVfXfef€,ifXfNfŠfvfg,Å[]Ä—~—p,μ,%‡,‡ê[],É•Ö—  
~,Å,·[]B•í[]X,μ,%fXfNfŠfvfg,ð•Û'¶,·,é,É,í[]CfNfŠfbfN,·,é,©f^fu,Å,» ,ifXfNfŠfvfg,É^Û“®,μ,Ä[]C  
‰EfNfŠfbfN,μ[]C[]mftf@fCf<,É•Û'¶n,ð'l'δ,μ,Ü,·[]B•í[]X,μ,%fXfNfŠfvfg,³'l'δ,³,ê,Å,‡,È,‡  
,Æ[]C[]mftf@fCf<,É•Û'¶n,ð'l'δ,μ,Ä,àfIufWfFfNfg,²•Û'¶,³,ê,ÄfXfNfŠfvfg,í•Û'¶,³,ê,Ü,¹,ñ[]B

□mftf@fCf<,É•Û'¶n,ð'l'δ,·,é,Æ[]C[]mSQL •¶,ì•Û'¶nf\_fCfAf[]fOf{fbfNfX,²•\Z|,³,ê,Ü,·[]B-  
Û“I,íffffBfŒfNfgfŠ,ðŽw’è,μ,Ä[]C[]V,μ,‡ftf@fCf<,í-¼’O,ð”ü—  
í,·,é,©[]CŠù'¶,ìftf@fCf<,ð'l'δ,μ,Ä[]ä[],«,μ,Ü,·[]B

## **mftf@fCf<,É•Û'¶nfRf}f“fh**

□mSQL •¶,í“ü—í¶nfy¶[fW,Å%‰EfNfŠfbfN,μ,Ämftf@fCf<,É•Û'¶n,ð'l'ð,·,é,AE¶C,±,jEfBf“fhfE,É“ü—í,μ,½ SQL •¶,ðfefLfxfgftf@fCf<,É•Û'¶,Å,«,Ü,·¶B

□mftf@fCf<,É•Û'¶n,ð'l'ð,·,é,AE¶CmSQL •¶,í•Û'¶nf fCfAf¶fOf{fbfNfX,²•\ž|,³,ê,Ü,·¶B-Ú“l,ífffBfŒfNfgfŠ,ðžw'è,μ,Ä¶C¶V,μ,¢ftf@fCf<,í-¹/⁴'Ø,ð“ü—í,·,é,©¶CŠù'¶,íftf@fCf<,ð'l'ð,μ,Ä¶ä|,«,μ,Ü,·¶B

## **mSQL •¶,í•Û'¶nf\_fCfAfOf{fbfNfX**

### **f\_fCfAfOf{fbfNfXfIfvfVftf“**

mSQL •¶,í•Û'¶nf\_fCfAfOf{fbfNfX,ímfjf@fCf< b•Û'¶n,ð'l'ð,·,é,Æ•\Zl,³,ê,é•W€  
,jf\_fCfAfOf{fbfNfX,ðSí,Éññ¬,³,ê,Ä,¢,Ü,·Bmfjf@fCf<,íZí—  
þnfRf“f{f{fbfNfX,Ä,íCfefLfxfg,Æ,µ,ÄŒ»Ý,ì SQL •¶,âfefLfxfg,ð•Û'¶,·,é,½,ß,ÉŠg'fžq .SQL  
,ž-'O,ÉñY'è,³,ê,Ä,¢,Ü,·B  
±,jf\_fCfAfOf{fbfNfX,ð•\Zl,·,é,É,íCmSQL •¶,í“ü—ínfy[fW,Ä  
‰EfNfSfbfN,µ,Ämfjf@fCf<,É•Û'¶n,ð'l'ð,·,é,©Cff[f^fx[fXfGfNfXfvf‰  
,ímfefLfxfgnfy[fW,Ämfjf@fCf<,É•Û'¶n,ð'l'ð,µ,Ä,¾,¢B

## **m'ł'ð(S)nfRf}f"fh**

mfffBfNfVf#fifS(D)b'l'ð(S)n,ðžg,Á,Ä,CmfffBfNfVf#fifS,l'l'ðnf\_fCfAfOf{fbfNfX,©,çšù'¶,jff[f^fffBfNfVf#fifS,ð'l'ð,μ,Ü,·B

## **mfffBfNfVftfifŠ,í'l'ðnf\_fCfAfOf{fbfNfx**

mfffBfNfVftfifŠ,í'l'ðnf\_fCfAfOf{fbfNfx,ðŽg,Á,ÄCfAfNfefBfu,ÈfffBfNfVftfifŠ,É,μ,½,¢Šù'¶,í  
fflf^fffBfNfVftfifŠ,ðŽw'è,μ,Ü,·BmfffBfNfVftfifŠ-  
½nfRf"ff{fbfNfx,ÉŠù'¶fflf^fffBfNfVftfifŠ-½,ð"ü—í,Ü,½,í'l'ð,μ,Ü,·B  
,±,í\_f\_CfAfOf{fbfNfx,ð•\ž;,·,é,É,íCmfffBfNfVftfifŠ(D)b'l'ð(S)n,ð'l'ð,μ,Ü,·B

## **mfffftjhfg•žnfRf}f“fh**

BLOB fGfNfXfvf[]f%, Ä‰EfNfŠfbfN, μ, Ämfffftjhfg•žnfRf}f“fh  
Ž;ñn, ð'l'ð, ·, é, Æ CTGraphicsField , l“à—e, ð‰œ, Æ, μ, Ä CTMemoField , l“à—  
e, ðfefLfxfg, Æ, μ, Ä•ž;ñn, μ, Ü, ·ñB, ±, ê^ÈSO, lftfB[f<fhŒ^, lñéñ‡, ÍC‰½, à•ž;ñn, μ, Ü, ·ñB  
, Ü, ½Cm‰œ, Æ, μ, Ä•ž;ñn, , é, f, lñmfeLfxfg, Æ, μ, Ä•ž;ñn, ðžg, Á, Ä Cžw'è, μ, ½•û-  
@, ÅŒ»ñY, lftfB[f<fh, l“à—e, ð BLOB fGfNfXfvf[]f%, È<ñ“l, È•ž;ñn, ·, é, ±, Æ, à, Å, «, Ü, ·ñB

**m‰æ'œ,Æ,µ,Ä•\ž;nfRf}f"fh**

fffffHf,íCBLOB fGfNfXfvf[][],í TGraphicsField ,í"à—e,ð‰æ'œ,Æ,µ,ÄCTMemoField ,í"à—e,ðfefLfXfg,Æ,µ,Ä•\ž;,µC,±,ê^ESO,íftfB[f·fhCE^,íê‡,í‰½,à•\ž;,µ,Ü,¹,ñB

BLOB fGfNfXfvf[],í"à—e,ð‰æ'œ,Æ,µ,Ä•\ž;n,ð'l'ð,·é,ÆCCÉ»Ý,íftfB[f·fh,í"à—e,ð‰æ'œ,Æ,µ,Ä<§"I,É•\ž;,Å,«,Ü,·B

## **mfefLfxfg,Æ,µ,Ä•\ž;ñfRf}f“fh**

fffffHf,Ã,ÍCBLOB fGfNfXfvf[][],Í TGraphicsField ,í“à—e,ð‰æ’œ,Æ,µ,ÄCTMemoField ,í“à—e,ðfefLfxfg,Æ,µ,Ä•\ž;,µC,±,ê^ÈSO,íftfB[]f·fhŒ^,íê‡,í‰½,à•\ž;,µ,Ü,¹,ñB

BLOB fGfNfXfvf[],Ã‰EfNfŠfbfN,µ,ÄmfefLfxfg,Æ,µ,Ä•\ž;n,ð'l'ð,·,é,ÆŒ»Ý,íftfB[]f·fh,í“à—e,ðfefLfxfg,Æ,µ,Ä<§“I,É•\ž;,Ã,«,Ü,·B

## **m̄n̄,³,¢fAfCfRf“(M)nfRf}f“fh**

m•\Z|(V)b̄n̄,³,¢fAfCfRf“(S)n,ðZg,¤,ÆC‰Efycf“,ì↑•ñ,ì•\Z|•û-  
@,ðZw’è,Å,«,Ü,·Bf`fFfbfN,·,é,ÆC¶fyfcf“,Å<’²•\Z|,³,ê,Å,¢,éflfufWfFfNfg,ì“à—e,³  
‰Efycf“,Én̄,³,ÈfAfCfRf“,Æ,µ,Å•\Z|,³,ê,Ü,·BŠÖ~A,·,éfRf}f“fh,Æ,µ,Å,íCm•\  
ž|(V)b̄n̄Úx(D)nCm•\Z|(V)b’å,«,¢fAfCfRf“(G)n C,“,æ,Ñm•\Z|(V)b^ê—  
(L)n,³, ,è,Ü,·B

**mfy|[fwšô,i]“-šú(S)nfRf}f“fh**

mflfvfvfVf+f“(P)bfy|[fwšô,i]“-šú(S)n,ðf`fFfbfN,·,é,ÆCmff|[f^fx|[fxnfy|[fw,©,çmfffB  
fNfVf+fifSnfy|[fw,ÉØ,è'Ö,|,½,Æ,«,ÉC'I'ð,μ,½ff|[f^fx|[fx,ifffBfNfVf+fifS,É^Ú“®,μ,Ü,·B

## mfVfXfef€ff[f^ (S)nfRf]f“fh

m•\Z!(V)\bfVfXfef€ff[f^ (S)n,^f`fFfbfN,³,é,Ä,ç,éê‡CfVfXfef€ff[f^ ,^•\Z!,³,é,Ü,·BfVfXfef€ff[f^ ,É,íCSQL fT[fo[],jfVfXfef€fe[luf<CIterBase  
fvfXfef€fCf“ffffbfNfX,AfgfSfK[],È,C,³, ,è,Ü,·B•\Z!,·,é•K—v,³,É,çê‡,íCf`fFfbfN,·,é•K—v,í, ,  
è,Ü,¹,ñB

## IDE

IDE , © ,çff[f^fx[fXfGfNfXfvf][f%o  
„N“ ®,³,ê,½é‡Cm•ÓW(E)bfefLfxfg(T)n,ð'l,ÔÆ'l'ð,³,ê,½ SQL  
ffufWfFfNfg,ðfR[fhfGfffBf^,Å•ÓW,Å,«,Ü,·BfR[fhfGfffBf^,Å SQL  
ffufWfFfNfg,ð•ÓW,µ,Ä,¢,éé‡CBDE Administrator  
·flufWfFfNfg,¡fefLfxfg,í',«ž,Ý<ÖŽ~,É,È,è,Ü,·B

## **□mftfHf“fg(F)□nfRf}f“fh**

□m•\Z|(V)□bftfHf“fg(F)□n,ðŽg,¤,Æ□C□mfefLfxfg□nfy□[fW,Æ□mSQL •¶,ì“ü—  
í□nfy□[fW,ífefLfxfg,íftfHf“fg,ð□Ý’è,Å,«,Ü,·□B

□m,Đ,AE,Â’O,É-ß,é(P)□nfRf}f“fh

□m•\Z|(V)□b,Đ,AE,Â’O,É-ß,é(P)□n,đŽg,¤,AE□C□¶fyfCf“,Â’¼’O,É’l’ð,μ,½flfufWfFfNfg,², ,é□ê□‡,  
í□C,»,jflfufWfFfNfg,É^Ú”®,μ,Ü,·□B

**mfc**[f<fo[(T)nfRf}f“fh

m•\Z(V)bfc[f<fo[(T)n,đf`fFfbfN,·,é,ÆCff[f^fx[fXfGfNfXfvf][f%oo,íä•”,É•\Z,³,ê,Ü,·Bfc[f<fo[,É,íCmŠ,-(O)nCmíœ(D)nCmLfjf“fZf<(L)nCmXV(A)nCmBLOB fGfNfXfvf][f%oo[n,É,Ç,ìfjf...[fo[fRf}f“fh,Æ“-”™,ì<@\,đZ,ÂfAfCfRf“,ä—pÓ,³,ê,Ä,ç,Ü,·B

## m'Sññ(C)ñfRf}f“fh

m•\Z|(V)b'Sññ(C)n,ðf`fFfbfN,·,é,AE[C]’®fIufWfFfNfg,ìfcfS[‘S’í,É’í,·,éfeLfxfg,ð•\Z|,μ,Ü,·B,±,ìfefLfxfg,í•ÒW,Å,«,Ü,¹,ñB  
½,AE,|,îCfe[fuf<è<` ,ìfefLfxfg,ð•\Z|,μ,Ä,¢,éê‡CŠOŠu,ì,æ,¤,Èfe[fuf<flfvfVf#f“,AEfjf  
‰f€í•ñ,²Z|,³,ê,Ü,·B,±,ìfefLfxfg,í•ÒW,Å,«,Ü,·B  
f`fFfbfN,·,é,AE[C’‰ž,·,éfCf“fffbfNfxC^êZÝfL[ŒCŠO•”fL[ŒC§-  
ñCfgfSfK[fefLfxfg]C,³,ç,ÉfT[fo[l,³fTf]  
Œ[fg,·,é,»],ì¹¼,ìfefLfxfg]ife[fuf<,AE^êŒŒ,Œíœ,³,ê,é]j,³,ê,Ü,·B,±  
,ìfefLfxfg,í•ÒW,Å,«,Ü,¹,ñB

## **m“o~^íœ(U)nfRf}f“fh**

mfffBfNfVf#fifS(D)b“o~^íœ(U)n,đŽg,Á,ÄCfIfufWfFfNfgfŠf|  
fWfgfŠ,íff[f^fffBfNfVf#fifS,ì“o~^,đíœ,μ,Ü,·B“o~^,íff[f^fffBfNfVf#fifS,ííœ,³,ê,  
Ü,¹,ñBmfffBfNfVf#fifS,ì'í'đnf\_fCfAfOf{fbfNfX,É•\Z!,³,ê,È,æ,¤,É,È,é,³/₄,⁻,Å,·B  
,±,ífRf}f“fh,íCmfffBfNfVf#fifS,ì“o~^íœnf\_fCfAfOf{fbfNfX,đ•\Z!,μ,Ü,·B

## ¶mfffBfNfVftfifŠ,í“o~^¶íœ¶nf\_fCfAf¶fOf{fbfNfx

¶mfffBfNfVftfifŠ,í“o~^¶íœ¶nf\_fCfAf¶fOf{fbfNfx,đŽg,Á,Ä¶CflfufWfFfNfgfŠf|  
fwfgfŠ,©,ç¶íœ,µ,½,¢Šù’¶,iff¶[f^fffBfNfVftfifŠ,đŽw’è,µ,Ü,·¶B¶mfffBfNfVftfifŠ-  
½¶nfRf”f{f{fbfNfx,ÉŠù’¶ff¶[f^fffBfNfVftfifŠ-½,đ“ü—í,Ü,½,í’đ,µ,Ü,·¶B  
,±,ìf\_fCfAf¶fOf{fbfNfx,đ•\ž;,·,é,É,í¶C¶mfffBfNfVftfifŠ(D)¶b“o~^¶íœ(U)¶n,đ’l’đ,µ,Ü,·¶B

## ■m‰oE'[,ÅÜ,è•Ô,·(O)nfRf}f“fh

■mfIvfVf#f“(P)b‰oE'[,ÅÜ,è•Ô,·(O)n,ðf`fFfbfN,·,é,AEoC’·,¢fefLfXfg\s,AE SQL  
•¶,ì,·,x,Ä,ðmfefLfXfg\ñfy\ñ[fW,AE\mSQL •¶,ì“ü—í\ñfy\ñ[fW,Ä•\ž|,Ä,«,é,æ,x,É  
‰oü\s,µ,Ü,·\Bf`fFfbfN,µ,È,¢,AEoC’·,¢\s,í‰oE,É\l,Ñ,Ä•\ž|,³,é,È,¢•”•¤,¤\o,Ä,-  
,é,ì,Ä\c\XfNf\ñ\ñ\f<,µ,Ä•\ž|,³,¹,Ä,,³/4,³,¢\B

## mf%ofof“fUfNfVftf””r’1/4fCEfxf<(T)nfRf}f“fh

mf|fvfVftf“(P)bfgf%ofof“fUfNfVftf””r’1/4fCEfxf<(T)n,ð’l’ð,·,é,AECSQL fgf  
%ofof“fUfNfVftf”,í”r’1/4fCEfxf<,ðZw’è,Å,«,Ü,·B

mf\_[fefB“Ç,ÝZæ,è(D)n,ð’l’ð,·,é,AE CfCEfR[fh,afRf~fbfg,³,ê,Å,¢,é,©,Ç,¤  
,©,ÉŠÖŒW,È,¤C,·,x,Å,ì•íX,ð•Ô,·

mfRf~fbfg“Ç,ÝZæ,è(C)n,ð’l’ð,·,é,AE CfRf~fbfg,³,ê,½fCEfR[fh,ì,Ý,ð•Ô,·BfRf~fbfg,³,ê,Å,¢  
,È,¢•íX,íŒ<sup>%ofof</sup>,É,í”½%ofof,³,ê,È,¢

m”½•œ“Ç,ÝZæ,è(R)n,ð’l’ð,·,é,AE C•È,]fAfvfSfP[fVftf”,Å•íX,ðfRf~fbfg,μ,Å,¢  
,Å,àCf%ofof“fUfNfVftf”ž±ŠúŠÔ,]flfSfWfif<,]fCEfR[fh,ì,Ý,ð•Ô,·B  
,±,ê,ç,fCEfxf<,É,Å,¢,Å,íÚ¤x,íCSQL fT[fo[],f}ff...fAf<,ðŽQÆ,μ,Å,,³/₄,³,¢B

## **Reserved**

Reserved for future use.

## □m-¼’O,ð•t,-,Ä•Û’¶(S)□nfRf}f“fh

%oEfNfŠfbfN,μ,Ä□m-¼’O,ð•t,-,Ä•Û’¶(S)□n,ð’l’ð,·,é,©□C□mflfufWfFfNfg(O)□b-  
¼’O,ð•t,-,Ä•Û’¶(S)□n,ð’l’ð,·,é,±,Æ,É,æ,è□C’l’ð,μ,½flfufWfFfNfg,ð•Û’¶,Å,«,Ü,·□B-  
¼’O,ð•l□X,·,é,Æ□CflfufWfFfNfg,<sup>a</sup>□V<K,É□l□→,<sup>3</sup>,ê□C•l□X,<sup>3</sup>,ê,½“à—e,I,»,ìflfufWfFfNfg,É“K—  
p,<sup>3</sup>,ê,Ü,·□BŒ<sup>3</sup>,ìflfufWfFfNfg,É,í”½%o f,<sup>3</sup>,ê,Ü,<sup>1</sup>,ñ□B

□m-¼’O,ð•t,-,Ä•Û’¶(S)□n,ð’l’ð,·,é,Æ□C□m-¼’O,ð•t,-,Ä•Û’¶□nf\_fCfAf□fOf{fbfNfX,<sup>a</sup>•\  
ž!,<sup>3</sup>,ê,Ü,·□B

## **m-¼’O,ð•t,-,Ä•Ü’¶nf\_fCfAfOf{fbfNfx**

m-¼’O,ð•t,-,Ä•Ü’¶nf\_fCfAfOf{fbfNfx,ðŽg—p,·,é,± ,Æ,É,æ,è,ç,C’l’ð,µ,½flfufWfFfNfg,ð•Ü’¶,Ä,«,Ü,·,B,±,lf\_fCfAfOf{fbfNfx,ð•\ž,·,é,É,í,ç,m- ¼’O,ð•t,-,Ä•Ü’¶n,Ü,½,í,mflfufWfFfNfg(O)b-¼’O,ð•t,-,Ä•Ü’¶(S)n,ð’l’ð,µ,Ü,·,B

## **f\_fCfAfOf{fbfNfxflfvfvftf“**

### **mV,µ,¢-¼’O)n**

•Ò,Wf{fbfNfx,É“ü—í,·,éflfufWfFfNfg,ì-¼’O,BffffHf<fg,Ä,í,ç,»YŽg—p,µ,Ä,¢,é-¼’O,¤•\ ž,³,ê,Ä,¢,Ü,·,B•í,X,·,é•K—v,¤,È,·,é,í,ç,mOKn,ð’l’ð,µ,Ü,·,B

**m,·,×,Ã'I'ð(L)nfRf}f“fh**

%oEfNfŠfbfN,μ,Äm,·,×,Ã'I'ð(L)n,ð'l'ð,·,é,Cm•ÒW(E)b,·,×,Ã'I'ð(L)n,ð'l'ð,·,é,AE C m fefLfXfgnfy[fW,ÆmSQL •¶,ì“ü—ínfy[fW,ìŒ»ÙÙ,ì•ÒWf{fbfNfX“à,É, ,éfefLfXfg,·,×,Ã,ð'l'ð,Å,«,Ü,·ÙB

## ■mfo■[fwf#f“]•ñ(A)■nfRf}f“fh

■mfo■[fwf#f“]•ñ(A)■n,Ü,½,í■mfwf<fv(H)■bfo■[fwf#f“]•ñ(A)■n,ð’l’ð,·,é,±,Æ,É,æ,è■Cff■[f^fx■[fXfGfNfXfvf■■[f%o,Ü,½,í BDE Administrator,ifo■[fwf#f“,·,æ,Ñ’~■Œ ■]•ñ,ð•\Z!,Å,«,Ü,·■B,±,í■€-Ú,í Delphi IDE,©,çff■[f^fx■[fXfGfNfXfvf■■[f%o,ð<N“®,µ,½■ê■‡,É,í■C•\Z!,³,ê,Ü,¹,ñ■B

## ■m■X■V(A)■nfRf}f“fh

‰oEfNfŠfbfN,μ,Ä■m■X■V(A)■n,ð’l’ð,·,é,©■C■mfIufWfFfNfg(O)■b■X■V(A)■n,ð’l’ð,·,é,±  
,Æ,É,æ,è■C<¹²•\Ž!,³,ê,½flfufWfFfNfg,ð•Û’¶,Å,«,Ü,·■B,±  
,íflfufWfFfNfg,ífcfŠ[],É’®,·,éflfufWfFfNfg,É’î,μ,Ä■s,Å,½•í■X,â■í■œ,à■C•Û’¶,í’í■Û,É,È,è,Ü,·■B

## **mfLfff“fZf<(L)nfRf}f“fh**

‘€ì,ðŽæ,èÁ,·,É,íC  
‰EfNfŠfbfN,μ,ÃmfLfff“fZf<(L)n,ð’l’ð,·,é,©C,Ü,½,ímfufWfFfNfg(O)bflfff“fZf<(L)n,ð’l’  
ð,μ,Ü,·B

**m•Å,¶,é(C)nfRf}f“fh**

%oEfNfŠfbfN,μ,Äm•Å,¶,é(C)n,ð'l'ð,·,é,©C,Ü,½,ímfufWfFfNfg(O)b•Å,¶,é(C)n,ð'l'ð,·,é  
,±,Æ,È,æ,èC<²•\Ž!,³,ê,Ä,¢,éflufWfFfNfg,ð•Å,¶,é,±,Æ,³,Ä,«,Ü,·B

## □m•Ò□WŽž,ÉŠm”F(E)□nfRf}f“fh

,±,ífRf}f“fh,É,æ,è□C•í□X“à—  
e,ðŠm”F,Å,«,Ü,·□Bf`fFfbfN,·,é,Æ□C•í□X□ì<Æ,ð□s,Á,½Œä□C,»,í“à—  
e,ðŠm”F,·,é,½,ß,íf\_fCfAf□fOf{fbfNfX,³•\Z!,³,ê,Ü,·□B

## ■mŒx□,ð•\ž|(W)nfRf}f“fh

■mf|fvfVf†f“(P)bŒx□,ð•\ž|(W)n,ðžg,¤  
,ÆŒC•ÒW’t,Éff[f^,Ü,½,íf[f^ff[f^,¤œ,³,ê,½ê‡,ÉŒx□,ð•\ž|,Å,«,Ü,·B  
,½,Æ,|,îŒCfe[fuf<fjf‰f€,¤^Ú“®,.,é,ÆŒCff[f^’¹ž,¤”¶,μ,Ü,·Bfe[fuf<,ífhf[fbfv,³,êŒCfjf  
‰f€,íV,μ,¢‡”Ö,ÅÄi¬,³,ê,Ü,·Bf[f^ff[f^,í’¹ž,íŒCfrf...  
■[flfufWfFfNfg,¤•íX,³,ê,½ê‡,É”¶,μ,Ü,·B  
■mŒx□,ð•\ž|(W)n,ðf`fFfbfN,·,é,ÆŒC,»,ê,¼,ê,íflfufWfFfNfg,¤—  
p,·,é”KØ,ÈêŠ,ÅŒx□,¤”¶,μ,Ü,·B

## **m-ÚŽŶ(C)nfRf}f“fh**

mfwf<fv(H)b-ÚŽŶ(C)n,ð'l'ð,·,é,ÆCflf“f‰oCf“fwf<fv,ì-ÚŽŶ,ª•\žl,³,ê,Ü,·B

## **mfRfs[(C)nfRf}f“fh**

%oEfNfŠfbfN,μ,ÄmfRfs[(C)n,ð'l'ð,·,é,©C,Ü,½,ím•ÒW(E)bRfs[(C)n,ð'l'ð,·,é,±,Æ,È,æ,èC'l'ð,μ,½fpf  
%ooftfB[f^CfefLfxfg,È,Ç,ðfNfŠfbfvf{[fh,ÉfRfs[],Å,«,Ü,·B

## ■m■Ø,èŽæ,è(T)■nfRf}f“fh

%oEfNfŠfbfN,μ,Ä■m■Ø,èŽæ,è(T)■n,ð’l’ð,·,é,©■C,Ü,½,í■m•Ò■W(E)■b■Ø,èŽæ,è(T)■n,ð’l’ð,·,  
é,±,Æ,É,æ,è■C’l’ð,μ,½fpf  
%ofo■[f^■CftfB■[f<fhff■[f^■CfefLfXfg,È,Ç,ð■Ø,èŽæ,Á,ÀfNfŠfbfvf{■[fh,ÉfRfs■[,À,«,Ü,·■B

## **míœ(D)nfRf}f“fh**

‰EfNfŠfbfN,µ,Ämíœ(D)n,ð'l'ð,·,é,©C,Ü,½,ímfufWfFfNfg(O)bíœ(D)n,ð'l'ð,·,é,±,Æ,É,æ,èC<sup>12</sup>•\ž|,<sup>3</sup>,ê,Ä,¢,éfufWfFfNfg,âfefLfxfg,ðíœ,Å,«,Ü,·ifNfŠfbfvf{ffh,É,ifRfs[],<sup>3</sup>,ê,Ü,<sup>1</sup>,ñjB

‰EfNfŠfbfN,µ,Ämíœ(D)n,ð'l'ð,·,é,©C,Ü,½,ím•ÒW(E)bíœ(D)n,ð'l'ð,·,é,±,Æ,É,æ,èCmSQL •¶,ì“ü—ínfyffW,âmfefLfxfgnfyffWifffffxffXfGfNfxfvf[]f‰,ífefLfxfg,ðíœ,Å,«,Ü,·B

fffffxffXfGfNfxfvf[],f‰,Å,íCmfffBfNfVffifŠ(D)bíœ(D)n,ð'l'ð,·,é,±,Æ,É,æ,èCffffBfNfVffifŠ,ðíœ,Å,«,Ü,·B,±,ifRf}f“fh,íCmfffBfNfVffifŠ,ííœnf\_fCfAfOf{fbfNfx,ð•\ž|,μ,Ü,·B

**mI<sup>-1</sup>(X)nfRf}f“fh**

mflfufWfFfNfg(O)bI<sup>-1</sup>(X)n,ð'l'ð,·,é,±,Æ,É,æ,èCff[f^fx][fXfGfNfXfvf][f‰,Ü,½,í BDE  
Administrator ,ðI<sup>-1</sup>,Å,«,Ü,·B

## ■m■V<K■i■¬(N)■nfRf}f“fh

%oEfNfŠfbfN,μ,Ä■m■V<K■i■¬(N)■n,ð’l’ð,·,é,©■C,Ü,½,í■mflfuWfFfNfg(O)■b■V<K■i■¬(N)■n,ð’l’ð,·,é,±,Æ,É,æ,è■C<<sup>12</sup>•\Ž!,<sup>3</sup>,ê,Ä,¢,éflfuWfFfNfg,lfCf“fxf^f“fx,ð■i■¬,Å,«,Ü,·■Bff■[f^fx■[fx,ð’l’ð,·,é,Æ■C■mff■[f^fx■[fxGfŠfAfX,]■V<K■i■¬■nf\_fCfAf■fOf{fbfNfX,<sup>2</sup>•\Ž!,<sup>3</sup>,ê,Ü,·■Bff■[f^fx■[fxGfNfXv■■f%o,Å,í■C■mfffBfNfVf†fifS(D)■b■V<K■i■¬(N)■n,ð’l’ð,·,é,±,Æ,É,æ,è■Cff■[f^fffBfNfVf†fifS,ð■i■¬,Å,«,Ü,·■B,±,lfRf}f“fh,í■C■mfffBfNfVf†fifS,]■V<K■i■¬■nf\_fCfAf■fOf{fbfNfX,ð•\Ž!,μ,Ü,·■B

## **mff[f^fx][fxGfSfAfX,i]V<K>i]nf\_fCfAfOf{fbfNfx**

,±,jf\_fCfAfOf{fbfNfx,Å]C]i]¬,·,éfGfSfAfX,jfhf%ofoCfo,ð'l'ð,μ,Ü,·]B

,±,jf\_fCfAfOf{fbfNfx,ð•\

Z],·,é,É,í]C]mff[f^fx][fx]nfy][fW,Å]mflfuWfFfNfg(O)b]V<K>i]¬(N)n,ð'l'ð,μ,Ü,·]B

'^Ó: V,μ,¢ ODBC ff[f^f]([fx,ð'C‰Á,·,é]ê]‡C•K,, ODBC  
,jff[f^fh][fx,ð'è`],μ,Ä,©,ç,»,jff[f^fx][fx,É]Ú'±,μ,Ä,¾,³,¢]B

## **f\_fCfAfOf{fbfNfxflfvfVftf“**

### **mff[f^fx][fxfhf%ofoCfo-¼]n**

]i]¬,·,éfGfSfAfX,jfhf%ofoCfo]BffffHf,jfhf%ofoCfo-¼,äS,,è"-,Ä,ç,ê,Ä,¢,Ü,·]B•Ê,ì-  
¼'O,É•]X,μ,½,èfGfSfAfX,ð'l'ð,μ,½,è,·,é,É,í]C]mff[f^fx][fx]nfy][fW,Å  
‰EfNfSfbfN,μ,Ä]m-¼]i•]X(M)n,ð'l'ð,μ,Ü,·]B

**mŠJ,(O)nfRf}f“fh**

%oEfNfŠfbfN,μ,ÄmŠJ,(O)n,ð'l'ð,·,é,©C,Ü,½,ímfIufWfFfNfg(O)bŠJ,(O)n,ð'l'ð,·,é,±,Æ,É,æ,èC<sup>12</sup>•\Ž|,μ,½flfufWfFfNfg,ðŠJ,,±,Æ,ª,Å,«,Ü,·B

## **m“\,è•t, -(P)nfRf}f“fh**

‰EfNfŠfbfN,μ,Äm“\,è•t,-(P)n,ð'l'ð,·,é,©C,Ü,½,ím•ÒW(E)b“\,è•t,-(P)n,ð'l'ð,·,é,±,Æ,É,æ,èC'l'ð,μ,½ftfB[f<fh,É•¶Žš—ñ,ðfy[fXfg,·,é,±,Æ,ª,Å,«,Ü,·B

ff[f^fx[fXfGfNfXfvf‰,ÄmSQL •¶,ì“ü—ínfy[fW,ð‰EfNfŠfbfN,μ,Äm“\,è•t,-(P)n,ð'l'ð,·,é,ÆCŒ»Ý,ì SQL •¶,É Windows  
fNfŠfbfvf{[fh,©,çfefLfxfg,²fRfs[,³,ê,Ü,·B

## **mÅVî•ñ,ÉXV(R)nfRf}f“fh**

%oEfNfŠfbfN,μ,ÄmÅVî•ñ,ÉXV(R)n,ð'l'ð,·,é,©C,Ü,½,ím•\ Ž;(V)bÅVî•ñ,ÉXV(R)n,ð'l'ð,·,é,± ,Æ,É,æ,èC'l'ð,μ,½flufWfFfNfg,“,æ,Ñ,»,iŽqflufWfFfNfg,ðÄ•`%oæ,Å,«,Ü,·B

**m-¼i•iX(M)nfRf}f“fh**

%oEfNfŠfbfN,μ,Äm-¼i•iX(M)n,ð'l'ð,·,é,©C,Ü,½,ímfIufWfFfNfg(O)b-  
¼i•iX(M)n,ð'l'ð,·,é,±,Æ,É,æ,èC'l'ð,μ,½fIufWfFfNfg,i-¼'O,ð•iX,Å,«,Ü,·Bv,μ,¢-  
¼'O,ðSù'¶,i-¼'O,iä,©,ç"ü—í,μ,Å,,¾,³,¢B

## mfXfe[f^fXfo[(B)nfRf}f“fh

m•\Z|(V)\bfXfe[f^fXfo[(B)n,ð'l'ð,·,é,±,Æ,É,æ,èCff[f^fx\fXfGfNfXfvf][f%o,Ü,½,í  
BDE Administrator fEfBf“fhfE,íÅ%o°•”,ÉfXfe[f^fXfo[,ð•\Z|,³,ê,Å,¢,éflfufWfFfNfg“à,í€-Ú”,É,Å,¢  
,Å'm,é,±,Æ,¤,Å,«,Ü,·B

## ■mŒ³,É-ß,·(U)■nfRf}f“fh

%oEfNfŠfbfN,μ,Ä■mŒ³,É-ß,·(U)■n,ð’l’ð,·,é,©■C,Ü,½,í■m•Ò■W(E)■bŒ³,É-  
ß,·(U)■n,ð’l’ð,·,é,±,Æ,É,æ,è■C■mSQL •¶,ì“ü—  
í■nfy■[fW,Å’¼’O,ÉŽÀ■s,μ,½fRf}f“fh,ðŽæ,è■Á,·,©■CfAfNfefBfu,Éfpf  
%oof■■[f^ftfB■[f<fh,ð^È’O,í■ó’Ô,É-ß,·,±,Æ,¤,Å,«,Ü,·■B

## mfhf%ofCfo]Ý'ènfRf}f"fh

'^Ó: ,±,jfRf}f"fh-½,í“®“I,È,à,ì,Ä]CŽÀ]Û,É,í‘l’ð,µ,½fhf  
%ofCfo,âfGfŠfAfX,É]‡,Á,½fxf"j\_’ñ<Ý,í]Ý'èft]fefBfŠfefB-½,É,È,è,Ü,·]B  
]mfhf%ofCfo]Ý'è]n,©]C,Ü,½,í]mf]ufWfFfNfg(O)]bfhf%ofCfo]Ý'è]n,ðŽg,Á,Ä]C<'²•\ Ž],³,ê,Ä,¢,éŽí—þ,í SQL fhf%ofCfo,âfGfŠfAfX,ð]Ý'è,µ,Ü,·]B—~—p‰oÂ"\,È]é]‡]Cfhf%ofCfo,í]Zí—þ,âfGfŠfAfX,É]‡,Á,½fxf"j\_’ñ<Ý,í]Ý'èft]fefBfŠfefB,¤•\ Ž],³,ê,Ü,·]Bfxf"j\_’ñ<Ý,í]Ý'èft]fefBfŠfefB,¤Œ©,Á,©,ç,È,¢]é]‡]C]mOpen\_nf\_fCfAf]fOf{fbfNf X,¤•\ Ž],³,ê]C,Ù,©,jfxf"j\_’ñ<Ý'èft]fefBfŠfefB,ð'l'ð,Á,«,Ü,·]B,Ù,©,jf]fefBfŠfefB,ðŽw'è,·,é,Æ]CCfg utils ,í‰oº,]fŒfWfXfgfŠ,É“o~^,³,ê,Ü,·]BZÝ,©,ç,» í]Zí—þ,]fhf%ofCfo,âfGfŠfAfX,ð'l'ð,µ,Ä]mfhf %ofCfo]Ý'è]n,ð'l,Ó,Æ]C,±,jf]fefBfŠfefB,¤•\]Z],³,ê,Ü,·]B  
]Ú]x,É,Ä,¢,Í]CŠeft]fefBfŠfefB,]f\_fCfAf]fOf{fbfNfX,©,çfwf<fv,ðŽQ]Æ,µ,Ä,,¾,³,¢]B

## ■mODBC Administrator■nfRf}f“fh

■mODBC Administrator■n,ðŽg,¤,Æ■C’Ç‰oÁ■C■íœ■C, „,æ,Ñ ODBC fhf‰oCfo,âff■[f^f■[fX, ì■Y’è,ð■s,!,Ü,·■B,±,îfRf}f“fh,í■mff■[f^fx■[fX■nfy■[fW,Âff■[f^fx■[fXfm■[fh,ð‰oEfNfSfbfN,µ,½,Æ,«,É ODBC fhf‰oCfo,îfxf“f\_, ©,ç’ñ<sup>3</sup>,ê,½ ODBC administration f■[fefBfSfefB,¤•\Z!,<sup>3</sup>,ê,Ü,·■B

■Ú■x,É,Â,¢,Ä,í■CŠef\_fCfAf■fOf{fbfNfX,©,çfwf<fv,ðŽQ■Æ,µ,Ä,,¾,<sup>3</sup>,¢■B

**■■Ó:** ■V,µ,¢ ODBC ff■[f^f■[fX,ð’Ç‰oÁ,·,é■ê■‡■C•K, „ ODBC ,îff■[f^f■[fX,ð’è<`,µ,Ä,©,ç,»,îff■[f^fx■[fX,É■Ú’±,µ,Ä,,¾,<sup>3</sup>,¢■B



## **mBDE AdministratornfRf}f“fh**

mBDE Administratorn,ðŽg,¤,ÆCff[f^fx[fXfGfNfXfvf][f%o“à,©,ç BDE Administrator  
,ðN“®,¤,Ü,·B,±,lf[fe]BfSfefB,ðŽg—p,µ,Äs,!,é,±,Æ,ð^É%oº,ÉŽl,µ,Ü,·B

- Borland Database EngineiBDEj,ðÝ'è,·é
- STANDARDiParadox ,Æ dBASEjCSQLCfAfNfZfXjC, „,æ,Ñ ODBC fhf  
‰fCfo,ìÝ'èBODBC fhf‰fCfo,ìì¬,Æíœ

,±,lfRf}f“fh,ð•\Z!,·,é,É,íCmfffBfNfVftfifSnfy[fW,Ü,½,ímff[f^fx[fXnfy[fW,Ã  
‰EfNfSfbfN,·,é,©CmflfufWfFfNfg(O)nfjjf...[],ð'l'ð,µ,Ä,,¾,³,¢B

## mfhf‰fCfo,ifo[fWfft“nfRf}f“fh

%EfNfŠfbfN,μ,Ämfhf‰fCfo,ifo[fWfft“n,đ'l'đ,·,é,©C,Ü,½,ímfIufWfFfNfg(O)bfhf‰fCfo,ifo[fWfft“n,đ'l'đ,·,é,±,Æ,É,æ,èCBDE DLL ,âfhf‰fCfo,ÉŠÖ,·,é•ñC,<sup>3</sup>,ç,Éfxf“f'\_ñè DLL ,đ•\Z;Å,«,Ü,·B,±,ê,íC<Z)p“l,È-â'è,đ‰đŒ^,·,éê‡,É—~,Å,·B,±,ifRf}f“fh,đZÀs,·,é,ÆCmBDE fo[fWfft“î•ñnf\_fCfAfOf{fbfNfX,<sup>2</sup>•\Z;,<sup>3</sup>,ê,Ü,·B

## **mBDE fo[fWf#f“ñnf\_fCfAfOf{fbfNfX**

,±,íf\_fCfAfOf{fbfNfX,É,íCBDE DLL ,Æfxf“f\_’ñ<Ý,íÝ’è DLLi,éê‡,ì,Yj,ÉŠÖ,·,é↑•ñ,²•\ž!,³,ê,Ü,·B,±,ê,íC<Zp“l,È-â’è,ð‰ðŒ^,·,éê‡,È-ð,É—§,ç,Ü,·B

,±,íf\_fCfAfOf{fbfNfX,ð•\ž!,·,é,É,íC\_mfhf‰ofCfo,fo[fWf#f“n,Ü,½,ímfufWfFfNfg(O)bfhf‰ofCfo,fo[fWf#f“n,ð'l'ð,μ,Ü,·B

## **f\_fCfAfOf{fbfNfXfVfVf#f“**

### **mDLL -¼n**

BDE ,ífCf“fXfg[f<žžC,Ü,½,í”ñ•W€,íT[fo[SQL  
fT[fo[,È,Cjfcf“fXfg[f<žž,ÉfCf“fXfg[f<,³,ê,é DLL ftf@fCf<,–¼'O[B

### **mfo[fWf#f“”ÔtB**

ää<L,ímDLL -¼n,Åž!,³,ê,é DLL ,ÉŠ,,è“-,Ä,ç,ê,éfo[fWf#f“”ÔtB

### **m“ú•tB**

ää<L,í DLL ,í“ú•tB

### **mžžŠÔn**

ää<L,í DLL ,ížžB

### **mTfCfYifofCfgjB**

ää<L,í DLL ,íTfCfYB

**fjf@fCf<,äŒ©,Â,©,è,Ü,<sup>1</sup>,ñ. Ž©•¤,Âftf@fCf<,ð'T,µ,Ü,·,©?**

fxf“f\_’ñ<Ÿ,ìØÝ’èftÛlfefBfŠfefB,äŒ©,Â,©,è,Ü,<sup>1</sup>,ñÛBÛmOKÛn,ð'l'ð,µ,ÄÛCftf@fCf<,ðŽQÛÆ,µ,ÄftÛlfefBfŠfefB,ðŽw'è,µ,Ã,,¾,³,¢ÛB

## mfBfCfNfgfS, l'l'ðnf\_fCfAfOf{fbfNfx

fxf“f\_’ñ<Y, lY’èftl[fefBfŠfefB, ,é]ê]Š, lffffBfCfNfgfS, ð'l'ð, ·, é, ©]C, Ü, ½, í“ü—í, μ, ½fpf  
‰of]l[f^, É]‡, Å, ½•Ê, lffffBfCfNfgfS, ð'l'ð, μ, Å, ¾, ³, ¢]BfffBfCfNfgfS, ð'l'ð, μ, È, ¢, Å, ±  
, lf\_fCfAfOf{fbfNfx, ð•Å, ¶, é, È, lC]mflfff“fZf<ln, ð'l'ð, μ, Å, ¾, ³, ¢]B

**fhf‰oCfo-¼,ºd•i,µ,Ä,¢,Ü,·.V,µ,¢-¼'Ô,ð“ü—í,µ,Ä,,¾,³,¢.**

ODBC fhf‰oCfoÛ'±,ì-¼'Ô,ºd•i,µ,Ä,¢,Ü,·B,P,Â,ìŠÅ««Ý'èftf@fCf<sup>ç</sup>,É,“,“,é ODBC fhf‰oCfoÛ'±,ì-¼'Ô,íCftfjÛ[fN,È,à,ì,Ä,È,“,é,ì,È,è,Ü,¹,ñB

BDE ŠÅ««Ý'è,ìfGf‰oÛ[fÛfbfZÛ[fW,ì‰æ-Ê,ÅmOKÛn,ð'l'ð,µ,ÄÛC“ü—í,µ'¼,µ,Ä,,¾,³,¢ÛB

## **Reserved**

This topic reserved for future use.

,±,ÍfgfsfbfN,Í'¶ØY,µ,Ü,¹,ñ.

—v<,³,ê,½fwf<fvfgfsfbfN,Í'¶ØY,µ,Ü,¹,ñØB,½,Æ,I,ÍØCSQL Link fhf‰fCfo,É,Â,¢,Ä,íØà-  
¾,ÍØCSQL Link ,É,Â,¢,Ä‰øðØà,µ,½flf“f‰fCf“fwf<fvØiSQLLNK32.HLPØj,É<LØq,³,ê,Ä,¢,Ü,·ØB  
,±,Íftf@fCf<,Â,íØà-¾,ÍØCParadoxØCdBASEØC,“,æ,Ñ ODBC fhf‰fCfo,ÉŒÀ,ç,ê,Ä,¢,Ü,·ØB

**ŠÄ<<Ý'è,í•íX,ð"½%oƒ,μ,Ü,·,◎?**

•íX“à—e,í•Û'¶,<sup>³</sup>,ê,Ä,ƒ,Ü,<sup>¹</sup>,ñB•Û'¶,·,é,É,ím,í,ƒnC•Û'¶,μ,È,ƒê‡,ím,ƒ,ƒ,!n,ð'l'ð,μ,Ä,-  
<sup>¾</sup>,<sup>³</sup>,ƒB

ŠÄ<<Ý'è, ï•ï[X, ðffï[f^fxï[fX, É"½‰øf, µ, Ü, ·, © ?

BDE

ffï[f^fxï[fX, ,é,¢,íffï[f^/ffffBfNfVfþfifS, išÄ<<Ý'è, ð•ï[X, µ, Ü, µ, ½[B•Û'¶, ·, éê‡, ím, í, ¢nC,  
», ê^ESO, iê‡, ím, ¢, ¢, iñ, ð'l'ð, µ, Ä,, ¾, ³, ¢B

• ÍX, ðff[f^fx][fX, É•Ü'¶, µ, Ü, ·, ⊙?

BDE

ff[f^fx][fX, ,é,¢,íff[f^/ffffBfNfVfþfjſ,íšâ<<Ý'è,ð•íX,µ,Ü,µ,½B•Ü'¶,·,éê‡,ím,í,¢nC,  
»,ê^ESO,íê‡,ím,¢,¢,ín,ð'l'ð,µ,Ã,,¾,³,¢B

‘€ì,ð’±s,·,é,É,íff[ffx[fX,ðfNf[fY,μ,Ä,,¾,³,¢.fNf[fY,μ,Ü,·,©?

‘±s,·,éê‡,ímOKn,ð’l’ð,μ,Äff[ffx[fX,ð•Ä,¶,Ä,,¾,³,¢B’€ì,ð|—  
¹,·,éê‡,ímfLffff“fZfn,ð’l’ð,μ,Ä,,¾,³,¢B

## □mfffBfŒfNfgfŠ’I’ð□nf\_fCfAf□fOf {fbfNfx

,±,í□Ý'è,Å,í□CŽw'è,³,ê,½ff□[f^,ð•Û'¶,Ü,½,ífAfNfZfX,Å,«,éfffBfŒfNfgfŠfpfX,ðŽw'è,µ,Ä,-  
¾,³,¢□B•K□{fpfX,ð'è<`·,éfffBfŒfNfgfŠ,ð'l'ð,µ,Ü,·□B



## STANDARD fGfŠfAfX[]Y'è

mff[]fx[]fx[]nfy[]fW,ÄfGfŠfAfX,ð[]ì[]-,·,é[]ê[]f[]C[]mSTANDARD[]n,ð[]l'ð[],μ,Ä^È%oº,ÉŽ[],·fhf  
‰ofCfoží—þ,í,¢,·,é,©,ðŽw'è,Å,«,Ü,·[]B

PARADOX Paradox[]B.DB fe[]fuf<—p

DBASE dBASE[]B.DBF fe[]fuf<—p

ASCIIDRV ASCII fefLfxfg[]B.TXT fe[]fuf<—p

Ý'è,ð•ï[]X,·,é,É,í[]C'í[]Û,·fpf‰of[]f[]f^,ð<'²•\  
ž[],μ,Ü,·[]BŠù'¶,í[]Ý'è'l,ð[]í[]œ,μ,Ä[]CfefLfxfg{fbfNfx,É[]V,μ,¢'l,ð"ü—í,μ,Ä,-  
,³/₄,³,¢[]B•ï[]X,Å,«,éfpf‰of[]f[]f^,í[]Cf‰ofxfg,·ž[],³,é,Ä,¢,È,¢,à,í,³/₄,·,Å,·[]B  
žY,·,í[]C•ž[],³,é,éfpf‰of[]f[]f^,Æ,»,í[]Œ»[]Ý,í[]Ý'è,ð,·,x,Ä^é——•ž[],μ,Ü,μ,½[]B[]Å[]‰,Éfhf  
‰ofCfo,·fCf"fxfg[]f<,³,é,é,Æ[]C,·,x,Å,·,í,ífffftHf,fg,É[]Ý'è,³,é,Ü,·[]B  
,Ü,½[]C[]à-³/₄,Éfpf‰of[]f[]f^,í[]SÈ'P,È‰ooð[]à,ðž[],μ,Ü,·[]B

<u>fpf‰of[]f^</u>	<u>·à-³/₄</u>
TYPE	,±,·fpf‰ofCfo,·Û'±,·,éff[]f^fx[]fx,íží—þ[]BfffftHf,fg,í STANDARD
PATH	-Ú"l,·fpf[]f^fx[]fx,Ö,·fpfX
DEFAULT DRIVER	fAfNfZfx,·,éftf@fCf<,íží—þ[]i[]ä<L,í[]à- ³/₄,ðžQ[]Æ[]j[]BPARADOX[]CDBASE[]C,Ü,½,í ASCIIDRV
ENABLE BCD	BDE,·"l,Æ 10 []i,·ftfB[]f<fh,ð•,"®[]—"·'l[]C,·,é,¢,í 2 []i‰» 10 ·í[]"·iBCD[]j'l,É•íš,·,é,©,ç,¤,©,ðŽw'è[]BBCD 'l,·,·"®[]—"·ŒvŽZ,ÉŠO~A,·,éŠÜ,BfGf‰o[]i3 * (2/3),í[]Œ‰,· 2.00000000001,·,æ,¤,È[]j,ðžæ,è[]œ,·BENABLE BCD,ð TRUE ,É[]Ý'è,·,é,Æ[]CDECIMAL,·,æ,Ñ NUMERIC ftfB[]f<fh,í BCD,·,é,é

## Microsoft Access fhf%oCfo, lY'e

fo[fWf#f“ 4.0 ,ì BDE ,Å,í CMSACCESS fhf%oCfo,ðŽg—p,µ,Ä Microsoft Access  
 ,jfe[fuf<,ðfl[fvf“/ØìØ¬,·,é,±,Æ,ª,Å,«,Ü,·BAccess  
 ,jfe[fuf<,ð'€,·,é,É,íCmSÅ««ØY'ènfý[fW,Å MSACCESS ,ð'l'ð,µ,ÄCŠÅ««ØY'èfpf  
 %oCf[f^,ð'²•\Zl,·,é,©C,Ü,½,ífhf%oCfo,Æ,µ,Ä MSACCESS  
 ,ðŽg,¤fGfSfAfX,ðmff[f^fx[fXnfý[fW,ÅØ¬/’l'ð,µ,Ü,·BZÝ,ÉCŠù'¶,ìY'è'l,ðÍœ,µ,Äef  
 LfXfgf{fbfNfX,ÉV<K,ì'l,ð"ü—í,µ,Ü,·B·íX,Å,«,éfpf%oCf[f^,íCf%oCfx,²³/4Zš,Å•\Zl,³,ê,Ä,¢  
 ,E,¢,à,ì,³/4,·,Å,·B  
 Access fhf%oCfo,ífpf%oCf[f^,·,æ,Ñ,»,ê,É•tØ,·,éfpf%oCf[f^,Æ,»,ìà-³/4,ð^È%o,ì•\  
 ,ÉZl,µ,Ü,·BØY'è'l,ífcf"fxfg[f<Zž,ì,à,ì,Å,·iffftfHf<fgØ]B

<u>fpf%oCf[f^</u>	<u>ìà-³/4</u>
VERSION	Access fhf%oCfo,ì“à•"fo[fWf#f“"ØØt
TYPE	fhf%oCfo,ÅØÙ'±,·,é,æ,ìfT[fo[,ìZl—PØBSERVERØiSQL fT[fo[Øj,Ü,½,íFILEØi•WØ€,íftf@fCf<fT[fo[Øj,ì,C,ì,c,©,É,È,é
DLL32	fhf%oCfo,ì 32 frfbfgf_fCfif~fbfNfSf“fNf%oCfuf%oCfSØi*.DLLØj,ì- ¼OØiffftfHf<fg,í IDDAO32.DLLØj
DRIVER FLAGS	Ø»•iCEÄ—L,ì“à•"ftf%oCfOØBf{Ø[f%oCf“fhŽØ,ìfefNfjfj<ftf Ø[fg,ì'S“- ZØ,ìZwZl,ª,È,¢CEÄ,è•íX,µ,È,¢,Å,³/4,³,¢
TRACE MODE	fØfMf“fO,·,éfgfCEØ[fXØi•ñ,ðZl,·'lØifrfbfgf}fxNØjØB— v<Ø,³,ê,½Ø•ñ,ðfffofbfOfEfBf“fhfE,ÉØo—í,·,é,½,ß,É Windows ,íØuOutputDebugStringØv,ðZg— pØBfrfbfg,íØY'è,ÆfØfMf“fO,³,ê,éØi•ñ,ðZÝ,ì•\,ÉZl,·
<b>frfbfg, lY'e      fØfMf“fO,³,ê,éØi•ñ</b>	
0x0001	ŽÀØs,³,ê,é'Ø,ì-â,¢Ø‡,í,¹•¶
0x0002	ŽÀØs,³,ê,½CEä,ì-â,¢Ø‡,í,¹•¶
0x0004	fxf“f_fGf%oCf
0x0008	-â,¢Ø‡,í,¹•¶,ìflfvfVf#f“ØiallocateØCfreeØj
0x0010	ØÙ'±/%oØ•Ù
0x0020	fgf%oCf“fUfNfVf#f“
0x0040	BLOB “üØo—í
0x0080	,»,ì'½
0x0100	fxf“f_CEÄ,ÑØo,µ
DATABASE NAME	fAfNfZfX,·,éfhf%oCfuØCfpfXØC,·,æ,Ñ .MDB ftf@fCf<,ì-¼'Ø
USER_NAME	ffØ[f^fxØ[fX,ÉfAfNfZfX,·,é,Æ,«,ì-¼'Ø
OPEN MODE	ODBC fhf%oCfoØÙ'±,ÅffØ[f^fxØ[fX,ðŠJ,f,Ø[fhØBZw'è,Å,«,é'l,í READ/WRITEØiffftfHf<fgØj,·,æ,Ñ READ ONLY
LANGDRIVER	feØ[fuf<,ìØØfgØ‡,·,æ,Ñ•¶ZšfZfbbg,ðCE^,ß,é,½,ß,ìCE³/4CEéfhf%oCfo

## Paradox fhf%ofoCfo, iY'è

Paradox fe[u][fuf<, i]o[i]→[Cf][fg][C, ., ae, Ņ]—[u]@, ÉSÖ, ., éSÀ<«[Y]è, ð]s, x, É, i]CBDE  
Administrator , i]mSÀ<«[Y]è, nf[y][fW, Å]uParadox[v, ð]l'ð, ., é, ©]C, Ü, ½, i] DEFAULT DRIVER  
, Æ, μ, Å]uParadox[v, ð]g, x STANDARD fGfSfAfX, ð]mff[f^fx][fx][nf[y][fW, Å]i]→/l'ð, μ, Ü, .]B  
[Y]è, ð]i]X, ., é, É, i]C'î]U, i]SÀ<«[Y]è, fpf%ofoCfo[f^, ð]'^2•]  
Z], μ, Ü, .]BfefLfxfgf{fbfNfX"à, i]Sù', ., i]Y]è'l, ð]í]œ, μ, Å]C]V<K, i]l, ð]ü—í, μ, Ü, .]B]i]X, Å, «, éfpf  
%ofoCfo[f^, i]Cf%ofofx<, ²/₄Z]S, Å]•Z], ., è, Å, ç, È, ç, à, l, ³/₄, ., Å, .]BParadox fhf%ofoCfo, i]fpf  
%ofoCfo[f^, ., ae, Ņ, ., è, É•t]o, ., éfpf%ofoCfo[f^, ., è, ., l]à-¾, ð]^È%o, ., l]•\br/>, E]Z], μ, Ü, .]B]Y]è'l, i]fCf"fxfg[f<Z]z, l, à, l, Å, .]iffftHf<fg]j]B

<b>fpf%ofoCfo[f^</b>	<b>l]à-¾</b>
VERSION	Paradox fhf%ofoCfo, l]"à•"fo[fWftf""Ô]t[B"à•"Y]è, È, l, Å]•i]X, μ, È, ç, Å, - , ³/₄, ³, ç
TYPE	fhf%ofoCfo, Å]Ú'±, ., é]æ, i]fT[fo[], i]Z]—p]B SERVER]iSQL fT[fo[], Ü, ½, i]FILE]i]•W]E , i]ftf@fCf<fT[fo[], j, ç, ç, ©, È, è, é]B"à•"Y]è, È, l, Å]•i]X, μ, È, ç, Å, , ³/₄, ³, ç
NET DIR	
LANGDRIVER	flfbfgf[]fNfRf"fgf[]f<ftf@fCf<i]PDOXUSRS.NET]j, ., éfffBfCEfNfgfS]B fAfNfefBfu, È NET DIR fpf%ofoCfo[f^, i] BDE SÀ<«[Y]èftf@fCf<, i] Paradox fZfNfVftf", ÈSi", ., è, CCE»]Y, i]SÀ<«[Y]èftf@fCf<, i] System Init fZfNfVftf", åfCfWfXfgfS, ÈSi", ., è, Å, ç, è, Ü, ©, i] NET DIR , ae, è— D]æ, ., è, é]Bflfbfgf[]fNfhf%ofoCfu[], i] Paradox fe[u][fuf<, ÈfAfNfZfX, ., é, i]CBDE SÀ<«[Y]èftf@fCf<, È, , è Paradox fZfNfVftf", i]fAfNfefBfu, È NET DIR fpf%ofoCfo[f^, ., flfbfgf[]fNfhf %ofoCfu, ð]Z], μ, Å, ç, È, ., è, l, È, ç, È, ç
LEVEL	Paradox , ^éZ]fe[u][fuf<, ð]i]→, ., é, ½, ß, ÈZg, i]é, éfe[u][fuf<CE`Z®]B Level 7 Paradox for Windows , i] 32 frfbfgfe[u][fuf< Level 5 Paradox 5.0 , i]fe[u][fuf<CE`Z® Level 4 Paradox 4.0 , Å]g—p, ., è, STANDARD fe[u][fuf<CE`Z®]iffftHf<fg]j Level 3 Paradox 3.5 ^È'0, i]fo[u][fWftf", Å]g—p, ., è, é]ÈY]S·fe[u][fuf<CE`Z® BLOB ]€—Ú]C“ñZ]Y]Cf"ffffbfbfNfX]C, ., ae, Ņ]Cμ-§, ÈZQ]Æ]®]#]«, ð]g— p, ., è, È, i]Cf]Cfxf< 4, Ü, ½, i]Cf]Cfxf< 5, i]fe[u][fuf<, ð]w]è, ., è]B %o, ., è, È]ÈY]S, ., ð]A]å]C]A, È]Ü]Z], μ, ½, ç]é]f, i]C, à, Å, AE, à'á, ç]f]Cfxf<, i]fe[u][f uf<CE`Z®, ð]g, x]B32 frfbfgfe[u][fuf<CE`Z®, Å]Tf]f ]fg, ., è, é], "x, ÈfCf"ffffbfbfNfX<@", ., è, K—v, È]é]f, i]f]Cfxf< 7, ð]l'ð, ., è
BLOCK SIZE	Paradox , i]fe[u][fuf<, ]f]CfR]f[h, ð]•Ü]¶, ., è, ½, ß, ÈZg, i]é, éfffBfXfNfuf]fbfN, i]TfCfY]Bf e[u][fuf<, ð]i]→, ., è, AE]CffffbfbfNfXfy]fX, a]fuf]fbfN'P]È, Å]S,, è"— , Å, ç, è, è]B]Y]è, Å, «, è]l, i] 2048]C4096]C16384]C32768, i]ç , ., è, ©, È, È, è]BffftHf<fg: 2048
FILL FACTOR	Paradox , a]fCf"ffffbfbfNfXftf@fCf<, AE, μ, Å]•È, i]ffffBfXfNfuf]fbfN, ð, ç, Å]S,, è"— , Å, è, ©, ð]C]È]è, ., è, éfpf]fZf"fg]P]È, i]l]B]I, i] 1, ©, ç 100 , i]S]O, i]C]Ó, i]l]@]Å]BfCf"ffffbfbfNfX, a]C]»]Y, i]ffffBfXfNfuf]fbfN, Å, ±

,í'I,É'B,μ,½,Æ,«,É CParadox ,íftf@fCf<—  
 p,É•Ê,ífffbfXfNfuffbfN,ðS,,è“-,Å,é BfffftfHf<fg: 95  
 '□^Ó:  
 'I,ð¬,³,.,ê,íC^—¬“x,íCEüä,μ,Ü,·,afCf“ffffbfNfX,íTfCfY,³,å,«,-  
 ,È,è,Ü,·B'l,ð'å,«,.,ê,íCfCf“ffffbfNfXftf@fCf<,í¬,³,-  
 ,È,è,Ü,·,afCf“ffffbfNfX,í¬,éžšô,®,®,®,è,Ü,·B  
 STRICTINTEGRITY  
 ŽQÆ,í®#«,ðTf|fg,μ,Ä,ç,È,çfAfvfŠfP[fVf#“i,½,Æ,|,í Paradox  
 4.0j,žQÆ,í®#«,í<@"\,ðŽg,Å,ÄCfe[fuf<,ð•íX,Å,«,é,æ,¤  
 ,È,·,é,®,Ç,¤,®,ðŒ^,ß,éB,½,Æ,|,íCTRUE,íé#«,É Paradox 4.0  
 ,žQÆ,í®#«,ðŽg,Å,Äfe[fuf<,ð•íX,μ,æ,¤,Æ,·,é,ÆCfGf  
 %o[f]fbfZ[fW,³,ê,é BFALSE  
 ,È,·,é,ífe[fuf<,ð•íX,Å,«,Ü,·,äCff[f^,í®#«,ž,í,ê,é,±,Æ,³, ,é Bffff  
 tfHf<fg: TRUE

## dBASE fhf%ofCfo, lY'è

dBASE fe[fuf<, lñìñ~Cf][fg]C, „, æ, Ñ^—•û-@, ÉŠÖ, ·, éŠÂ<<Y'è, ðs, x, É, íCBDE Administrator , lñmŠÅ<<Y'è[nfy][fW, ÅuDBASE]v, ð'l'ð, ·, é, ©C, Ü, ½, í DEFAULT DRIVER , Æ, µ, ÅuDBASE]v, ðZg, x STANDARD fGfSfAfX, ð[mff][f^fx][fX]nfy][fW, Åñìñ~/'l'ð, µ, Ü, ·B Y'è, ð•lñX, ·, é, É, íC'ñU, iŠÅ<<Y'èfpf%off][f^, ð<'2•l  
ž, µ, Ü, ·BfefLfXfgf{fbfNfX"à, lñù'¶, lñY'è'l, ðíœ, µ, ÅC]V<K, l'l, ð"ü—í, µ, Ü, ·B•lñX, Å, «, éfpf%off][f^, íCf%ofxf<, ¾Zš, Å•ž, ³, è, Å, ç, È, ç, à, l, ¾, -, Å, ·BdBASE fhf%ofCfo, lfpf%off][f^, „, æ, Ñ, », è, É•t, ·, éfpf%off][f^, È, », lñà-¾, ð^È%o, l•\ , Éž, µ, Ü, ·BñY'è'l, ífCf"fxfg][f<Zž, l, à, l, Å, ·iffftfHf<fg]jB

fpf%off][f^	lñà-¾
VERSION	dBASE fhf%ofCfo, l"à •"fo][fWf]f""ÓñtB"à •"lñY'è, È, l, Å•lñX, µ, È, ç, Å, , ¾, ³, ç
TYPE	fhf%ofCfo, ÅÚ±, ·, éœ, lñT][fo][, lñí—þBCE»Yžg, l, é, l, í FILE]i•W]€, iftf@fCf<T][fo][j, l, YñB"à •"lñY'è, È, l, Å•lñX, µ, È, ç, Å, , ¾, ³, ç
LANGDRIVER	fe][fuf<, lñ][fg]#~, Æ•¶ZšfZfbfg, ðŒ^, ß, éŒ¾Œêfhf%ofCfo]B]U, µ, , lñCdBASE, lŒ¾Œêfhf%ofCfo, ðZQ]Æ]B"ú-, , lñfftHf<fg: dBASE_JPN_cp932
LEVEL	dBASE , lñéŽžfe][fuf<, ðñìñ~, ·, é, ½, ß, Éžg, l, è, éfe][fuf<Œ`Ž®]BdBASE 5.0 fe][fuf<Œ`Ž®, È, ç, l, 5]CdBASE 4.0 fe][fuf<Œ`Ž®, È, ç, l, 4]CdBASE III, Æ dBASE III PLUS , lñfe][fuf<Œ`Ž®, È, ç, l, 3 , ÉñY'è, ·, é]BfftHf<fg: 5
MDX BLOCK SIZE	dBASE , .MDX ftf@fCf<, ÉŠ,, è“- , Å, éffffBfXfNfuf][fbfN, lñTfCfY]ifofCfg'P^]B'í, l, 512 , l"{}," , È, È, é]®]”]BfftHf<fg: 1024
MEMO FILE BLOCK SIZE	dBASE , f]f, ftf@fCf<]i.DBT]j, ÉŠ,, è“- , Å, éffffBfXfNfuf][fbfN, lñTfCfY]ifofCfg'P^]B'í, l, 512 , l"{}," , È, È, é]®]”]BfftHf<fg: 1024

## ODBC fhf‰ofCfoÚ±,íÝ'è

ODBC ff[f^f[fX,]fe[fuf<,ð]→[fgC, „,æ,Ñ]—,·,é•ù-@,ÉŠÖ,·,éŠÂ<«]Y'è,ð]s,¤,É,íCBDE Administrator ,ímŠÄ<«]Y'è[nfy[fW,Å ODBC fhf‰ofCfoÚ±,ð]l'ð,·,é,©]C,Ü,½,í ODBC fhf‰ofCfo,ð]g,¤fGfŠfAfX,ð]mff[f^fx[fX]nfy[fW,Å]→/l'ð,μ,Ü,·]B

]Y'è,ð]l]X,·,é,É,íC'í]U,íŠÄ<«]Y'èfpf‰off[f^,ð]²•]Z!,μ,Ü,·]BfefL]Xfgf{fbfNfX"à,íŠù'¶,í]Y'è'l,ð]í]œ,μ,Ä]C]V<K,]l'I,ð"ü—í,μ,Ü,·]B•í]X,Å,«,éfpf‰off[f^,í]Cf‰offx<,³/¾Zš,Å]•]Z!,³,é,Ä,¢,É,¢,à,ì,³/¾,·]A,·]B

ODBC fhf‰ofCfo,]fpf‰off[f^]i,„,æ,Ñ,»,é,É•t]o,·,éfpf‰off[f^]j,Æ,»,]à-¾,ð]È‰oo,]•]É]!,μ,Ü,·]B]Y'è'l,í]Cf"Xfg[f<Zž,ì,à,ì,Å,·]fffftfHf<fg]B

### fpf‰off[f^

### ]à-¾

VERSION	ODBC fhf‰ofCfo,]“à•”fo[fWf†f””Ô]t]B“à•”]Y'è,È,ì,Å]•í]X,μ,È,¢,Å,-,³/¾,³,¢
TYPE	fhf‰ofCfo,í]ê]‡]C]Ú'±,·,é]æ,]fT]fo,]Zí—p]B•í]X,í,Å,«,È,¢]B fGfŠfAfX,í]ê]‡]C,±,]fpf‰off[f^,Å ODBC fhf‰ofCfoÚ'±,ð]ê]Ó,É]•]B: ,Æ \ ^]EŠO,í]”’I,Æ•]Zš,í]C]Ó,í]g,]Y]‡,í,¹
DLL	fhf‰ofCfo,] 16 frfbfg,]f_fCfif~fbfNfŠf“fNf‰ofCfuf‰ofŠ]i*.DLL]j ,]-¾'Ø]BfffftfHf<fg: IDODBC01.DLL
DLL32	fhf‰ofCfo,] 32 frfbfg,]f_fCfif~fbfNfŠf“fNf‰ofCfuf‰ofŠ]i*.DLL]j ,]-¾'Ø]BfffftfHf<fg: IDODBC32.DLL
ODBC DRIVER	f]NfXfe[fVf†f”,Æ ODBC fT]fo,]Ú'±,·,é,Æ,«,É]g,¤ ODBC fhf‰ofCfo
DRIVER FLAGS	]»•í]ŒÀ—L,]“à•”ftf‰ofO]Bf{][f‰of“fg]D,]fefNfif]f<]Tf]fg,]’S“-]Z]O,©,ç]Zw]!,³,È,¢]ŒÀ,è•í]X,μ,È,¢,Å,³/¾,³,¢
DATABASE_NAME	fAfNfZfX,·,éff[f^fx[fX,]fhf‰ofCfu]CfpfX,ð]Ü,]ftf@fCf<-¾
USER NAME	ODBC fT]fo,]fAfNfZfX,·,é,½,ß,]fffftfHf<fg-¾
ODBC DSN	,±,]fGfŠfAfX,¤]Ú'±,·,é ODBC ff[f^f]fg[fX]BODBC fhf‰ofCfoÚ'±,ð]í]→,μ,½,Æ,«,] ODBC ff[f^f]fg[fX,]—¾'Ø,Æ”-,¶,Å,È,ê,í,É,ç,È,¢
OPEN MODE	ODBC fhf‰ofCfoÚ'±,]ff[f^fx[fX,ð]š,f,]fh]B]w'è,Å,«,éf,]fh,í]READ/WRITE ,Ü,½,í]READ ONLY]BfffftfHf<fg: READ/WRITE
LANGDRIVER	fe[fuf<,]f]fg]‡,Æ•]ZšfZfbfg,ð]Œ^,ß,é,½,ß,]Œ¾Œêfhf‰ofCfo
SCHEMA CACHE SIZE	fXfL[f]fg]‡•ñ,ð]fffffbfVf,...,·,é SQL fe[fuf<,]Œ]”]B]w'è,Å,«,é'l,í]0 ,©,ç 32]BfffftfHf<fg: 8
SCHEMA CACHE DIR	f]fg[f]fXfL[f]fg]fLfffffbfVf,...,]ši”[,³,é,]ffffBfŒfNffgfŠ,ð]w'è]BENABLE SCHEMA CACHE ,³ TRUE,]E]Y'è,³,é,Ä,¢,é]ê]‡,É]g—p,³,é]Cfe[fuf<,] SQL fT]fo,]É,·,é,ÆfXfL[f],ð]fffffbfVf,...,·,é
SQLQRYMODE	SQL ff[f^,É]î,·,é-â,¢]‡,í,¹,]•ù]@]BSERVER ,Ü,½,í]LOCAL ,]E]Y'è,·,é,©]C<ó”,]Ü,Ü,É,·,é]B]Ú]x,É,Å,¢,Ä,í]CSQLQRYMODE ,]Y'è,ð]ZQ]Æ]BfffftfHf<fg: <ó”
SQLPASSTHRU MODE	BDE fAfvfŠfP]fVf†f”,É,·,¢,]ffffXfNfgbfv,]â,¢]‡,í,¹,“]æ,]NfpfXfXf<] SQL •¶,É,æ,é-â,¢]‡,í,¹,ð]Z]A]s,·,é,Æ,«]C”-,¶fGfŠfAfX]Ú'±,Å SQL fT]fo,]ÖfAfNfZfX,·,é,©,ç,¤,©,ð]Z]w'è]B]w'è,Å,«,éf,]fh,í NOT SHARED]CSHARED AUTOCOMMIT]C,·,æ,Ñ SHARED

	NOAUTOCOMMIT <sub>SQLPASSTHRU MODE</sub> , ïÝ'è, ðŽQÆBfffffHf<fg: SHARED AUTOCOMMIT
TRACE MODE	fMf“fO,,éfgfŒ[fX]•ñ,ðŽ ,-’lifrbfbfg}fxNjB— v<,³,ê,½û•ñ,ðfffobfbfOfEfBf“fhfE,Éo—í,·,é,½,ß,É Windows ,íuOutputDebugString]v,ðŽg— pBfrfbfg,ïÝ'è,AEf]Mf“fO,³,ê,é]•ñ,ðŽY,í]•\,ÉŽ ,·]B
	<b>frfbfg]Ý'è</b> <b>fMf“fO,³,ê,é]•ñ</b>
	0x0001            ŽÀs,³,ê,é'O,ì-â,c‡,í,¹•¶ 0x0002            ŽÀs,³,ê,½Œä,ì-â,c‡,í,¹•¶ 0x0004            fxf“f_Gf‰‰[ 0x0008            -â,c‡,í,¹•¶,íflfvfVf#f“]i,·,È,í,¿CallocateCfree]j 0x0010            ÙÚ'±/%‰ð•ú 0x0020            fgf‰f“fUfNfVf#f“ 0x0040            BLOB “üo—í 0x0080            ,»],í¹/₄ 0x0100            fxf“f_ŒÄ,Ño,μ
ENABLE SCHEMA CACHE	BDE , <sup>a</sup> SQL fT[fo[ä,É, ,éfe[fuf<É'í,μ,Äfe[fuf<fxL[f],ðf][f]f<ÉfLffffbfVf... ,,é,©,Ç,¤,©,ðŽw'è]B,±,ê,íCfe[fuf<fl]fvf“,íŒø— ,ðä,°,éBSHEMA CACHE DIR ,Éf][f]f<flffffbfVf... ,ðSi”[,·,éffffBfŒfNfgfS,ðÝ'è,·,é
SCHEMA CACHE TIME	fe[fuf<fŠfXfg]•ñ,ðfLffffbfVf...,·,éžžŠÓiBDE ,Å,íC]uDbiOpenTableList]v,Ü,½, ]uDbiOpenFileList]v,ðŒÄ,Ño,μ,½,Æ,«,ÉCfe[fuf<]•ñ,ífLffffbfVf... ,äŠJžn,³,ê,Ü,·]jBSHEMA CACHE TIME ,í'l,íÝ'è,É,æ,èCfe[fuf<Æftf@fCf<,ífŠfXfg,íŒÝ]ðŒø— ,ðä,°,é,± ,Æ,³,Å,«,éBŽw'è,Å,«,éf,]fh,Æ,»,í"à—e,ð^È‰º,ÉŽ ,·
	<b>]Ý'è</b> <b>Ó-i</b>
	-1            ff]f^fx[fX,ð•Å,¶,é,Ü,Äfe[fuf<fŠfXfg,ðfLffffbfVf... ,·,é]fffftHf<fg]j
	0            fe[fuf<fŠfXfg,ðfLffffbfVf...,μ,È,¢
	1`2147483647 ]Ý'è,μ,½žžŠÓi•b]j]Cfe[fuf<fŠfXfg,ðfLffffbfVf...,·,é
BATCH COUNT	fofbf`ftf@fCf<,ÉŠÜ,ß,éCŽ©“® “I,ÉfRf~fbfg,³,ê,é'O,É•í]X,³,ê,éfŒfR]f h,í]B,±,ì•û-@,Å]Cfofb`‘S’í,ð]—]_,·,é,³/_,ì’å,«,³,ä,È,¢fT]fo]fgf ‰f“fUfNfVf#f“f]fO,É]‡,í,¹,Ä]Cfofb`^,ífTfCfY,ð'²]®,·,é,± ,Æ,³,Å,«,Ü,·]BBDE ,Å,íCff]f^fx[fXfvf]fpfefB]udbBATCHCOUNT]v,ð]Ý'è,·,é,±,Æ,Å,± ,í'l,ð•í]X,·,é,±,Æ,³,Å,«,Ü,]BfffftHf<fg: 32 KB ^È“à,ÉŽû,Ü,éfŒfR]fh]”]B]Ú]x,É,Å,¢,Ä,íCBorland Database Engine]iBDE]j,íŠT—v,ðŽQÆ
<u>MAX ROWS</u>	
ROWSET SIZE	fT]fo[ä,Å^ê"x,ÉŒÝ]õ,·,é]s]",ðŽw'è]B,Ü,½]CDbiWriteBlock ,Å^ê"x,É'}"ü,·,éfŒfR]fh]",ðŽw'è]BODBC fhf‰fCfo,í,±,ì]Ý'è,ðfTf]

	<code>[[fg,μ,Ä,¢,È,¢]Bfffftjhfg: 20</code>
ENABLE BCD	<code>BDE „”’I,Æ 10 i”,jftfB[f&lt;fh,ð•,“®]¬]”’I,© 2 i‰» 10 i”,É•ÍS·,·,é,©,Ç,¤,©,ðŽw’è]BCD ’I,Í•,“®]¬]”” _ŒvŽZ,ÉŠÖ~A,·,éŠÛ,ßfGf‰o[i3 * (2/3) ,iŒ‰Ê,¤ 2,00000000001,È,Ç]j,ðŽæ,è]œ,]BENABLE BCD ,ð TRUE ,É]Y’è,·,é,Æ]CDECIMAL ,”,æ,Ñ NUMERIC ftfB[f&lt;fh,Í BCD ,É•ÍS·,³,ê,é</code>
BLOBS TO CACHE	<code>fNf‰oCfAf“fg,ÉfLffffb]Vf,...,³,ê,é BLOB ,i”,ðŽw’è]Bffffb]fhfe[fuf&lt;,jfl[fvf“,Ü,½,í-â,¢‡,í,¹,ðŽg,Á,Äffffb]fh BLOB ,ð’—,éfAfvfSfP[fVf]f“,i]CfNf‰oCfAf“fg,Á—~—p,Á,«,éfSf]fX,ÉŠ†,Ã,¢ ,ÄfLffffb]Vf,...,·,é BLOB ,i”,i]§ŒÀ,ð]Y’è,Ã,«,é]B 100 ,ð]Y’è,·,é,Æ]CfLffffb]Vf,...,µ,½ BLOB fŒfR[fh,ð]Å’å 100 ,Ü,Å’€]i,Ã,«,é]B100 ^E]å’—,é,Æ]CfGf‰o[f]fb]fZ[fW]u]lInvalid Blob handle in record buffer]v,ð•\Z ,·,é]B,±,jfpf‰o]f]f^,jfpf‰oCfufe[fuf&lt;,jfl[fvf“,É,í“K—p,³,ê,È,¢]Bfffftjhfg: 64]C”íí: &gt;64 ,®,Ã &lt; 65536</code>
BLOB SIZE	<code>ffffb]fh BLOB ,í’—]Mfofbftf@fTfCfY,ðŽw’è]Bffffb]fhfe[fuf&lt;,jfl[fvf“]C- ª,¢‡,í,¹]C,Ü,½,í batchmove ,ðŽg,Á,Ä]Cffffb]fh BLOB ,ð’— ,éfAfvfSfP[fVf]f“,i]C’—]M,·,é BLOB fTfCfY,ð]§ŒÀ,Ã,«,é]B,±,jfpf‰o]f]f^,ð 64 ,É]Y’è,·,é,Æ]C64KB ,Ü,Ã,ì BLOB ,ð’—]M,Ã,«,é]B,±,jfpf‰o]f]f^,jfpf‰oCfufe[fuf&lt;,jfl[fvf“,É,í“K—p,³,ê,È,¢]Bfffftjhfg: 32]C”íí: &gt;32 ,®,Ã &lt;1000</code>

## Sybase fhf‰fCfo,í¤Ý'è

Sybase ïê—p SQL Link ,ðfCf“fXfgï[f<,µ,Ä,¢,éïêï‡,íïCBDE Administrator  
,íïmŠÄ««Ý'èïnfýï[fW,íïfÿfCf“,É, ,éïmDriversïn,©,ç Sybase ,ð'l'ð,·,é,©ïC,Ü,½,í Sybase  
fGfŠfAfX,ðïmffï[f^fxï[fXïnfýï[fW,Äïïï¬/’l'ð,µ,Ü,·ïBSybase fhf‰fCfo,íïÝ'è“à—e,¤  
‰EfÿfCf“,É•\ž|,³,ê,Ü,·ïB'¾žš,Ä•\ž|,³,ê,éïÝ'è,í•ïïX,Ä,<,Ü,¹,ñïB

Úïx,É,Ä,¢,Ä,íïC^È‰o,ífgfsfbfN,ðžQïÆ,µ,Ä,,¾,³,¢ïB

Sybase ,Æ,íïÚ'±

Sybase fhf‰fCfo,íïÝ'è

Sybase driver setting jump

## **Oracle fhf‰fCfo,í¤Ý'è**

Oracle ê—p SQL Link ,ðfCf“fXfg[]f<,µ,Ä,¢,é¤ê¤‡,í¤CBDE Administrator ,í¤mŠÂ«¤Ý'è¤nfy[]fW,í¤¶fyfCf“,É, ,é¤mDrivers¤n,©,ç Oracle ,ð'l'ð,·,é,©¤C,Ü,½,í Oracle fGfŠfAfX,ð¤mff[]f^fx[]fX¤nfy[]fW,Å¤ì¤¬/'l'ð,µ,Ü,·¤BOracle fhf‰fCfo,í¤Ý'è“à—e,¤ %¤EfjfCf“,É•\ž|,³,ê,Ü,·¤B'¾žš,Å•\ž|,³,ê,é¤Ý'è,í•í¤X,Å,«,Ü,¹,ñ¤B

¤Ú¤x,É,Ä,¢,Ä,í¤C^È‰¤,í¤gfsfbfN,ðžQ¤Æ,µ,Ä,,¾,³,¢¤B

Oracle ,Æ,í¤Ú'±

Oracle fhf‰fCfo,í¤Ý'è

Oracle driver setting jump

## **Informix fhf‰fCfo,í¤Y'è**

Informix ïê—p SQL Link ,ðfCf“fXfgï[f<,µ,Ä,¢,éïêï‡,í¤CBDE Administrator ,í¤mŠÂ«¤Y'èïnfýï[fW,í¤¶fyfCf“,É, ,éïmDriversïn,©,ç Informix ,ð'l'ð,·,é,©¤C,Ü,½,í Informix fGfŠfAfX,ðïmffï[f^fxï[fXïnfýï[fW,Åïï¬/’ð,µ,Ü,·¤BInformix fhf‰fCfo,í¤Y'è“à— e,¤‰EfýfCf“,É•Ž!,³,ê,Ü,·¤B’¾Žš,Å•Ž!,³,ê,é¤Y'è,í•¤X,Å,«,Ü,¹,ñ¤B

¤Ú¤x,É,Ä,¢,Å,í¤C^È‰¤,ífgfsfbfN,ðŽQ¤E,µ,Ä,,¾,³,¢¤B

Informix ,Æ,í¤U'±

Informix fhf‰fCfo,í¤Y'è

Informix driver setting jump

## **InterBase fhf‰fCfo, ïÝ'è**

InterBase ïê—p SQL Link ,ðfCf“fXfgï[f<,µ,Ä,¢,éïêï‡,íCBDE Administrator ,ímŠÄ««Ý'èñfyï[fW,í¶¶fyfCf“,É, ,éïmDriversïn,©,ç InterBase ,ð'l'ð,·,é,©ïC,Ü,½,í InterBase fGfŠfAfX,ðïmffï[f^fxï[fXïnfyï[fW,Åïì¬/l'ð,µ,Ü,·BInterBase fhf‰fCfo,ïÝ'è“à —e,¤‰EfjfCf“,É•Ž|,³,ê,Ü,·B'¾Žš,Å•Ž|,³,ê,éÝ'è,í•ïX,Å,«,Ü,¹,ñB

ïÚïx,É,Ä,¢,Ä,íïC^È‰o,¡fgfsfbfN,ðŽQïÆ,µ,Ä,,¾,³,¢ïB

InterBase ,Æ,ïÛ'±

InterBase fhf‰fCfo,ïÝ'è

InterBase driver setting jump

## **Microsoft SQL Server fhf‰ofCfo,í¤Ý'è**

Microsoft SQL Server ïê—p SQL Link ,ðfCf“fXfgï[f<,µ,Ä,¢,é¤ê‡,í¤CBDE Administrator ,í¤mŠÂ«¤Ý'è¤nfyï[fW,í¤¶fyfCf“,É, ,é¤mDrivers¤n,©,ç Microsoft SQL Server ,ð'l'ð,·,é,©¤C,Ü,½,í MSSQL fGfŠfAfX,ð¤mffï[f^fxï[fX¤nfyï[fW,Å¤ì¤¬/l'ð,µ,Ü,·¤BMicrosoft SQL Server fhf‰ofCfo,í¤Ý'è“à—e,¤‰EfjfCf“,É•\ž!,³,ê,Ü,·¤B'³/žš,Å•\ž!,³,ê,é¤Ý'è,í•ï¤X,Å,«,Ü,¹,ñ¤B

Microsoft SQL Server ,Æ,í¤Û'±

Microsoft SQL Server fhf‰ofCfo,í¤Ý'è

MS SQL driver setting jump

## **DB2 fhf‰ofo, ïÝ'è**

DB2 ïê—p SQL Link ,ðfCf“fXfgï[f<,µ,Ä,¢,éïêï‡,íCBDE Administrator  
,ïmSÅ««ïÝ'èïnfyï[fW,ïïfycf“,É, ,éïmDriversïn,©,ç DB2 ,ð'l'ð,·,é,©ïC,Ü,½,í DB2  
fGfSfAfX,ðïmffï[f^fxï[fXïnfyï[fW,Åïï¬/’l'ð,µ,Ü,·ïBDB2 fhf‰ofo,ïÝ'è“à—e,<sup>ä</sup>  
‰oEfycf“,É•\Z|,<sup>3</sup>,ê,Ü,·ïB’¾Zš,Å•\Z|,<sup>3</sup>,ê,éïÝ'è,í•ïX,Å,<,Ü,<sup>1</sup>,ñïB

ïÚïx,É,Â,¢,Ä,íïC^È‰o,ïfgfsfbfN,ðZQïÆ,µ,Ä,,¾,<sup>3</sup>,¢ïB

DB2 ,Æ,ïÛÙ'±

DB2 fhf‰ofo, ïÝ'è

DB2 driver setting jump

## MAX ROWS

SQL fhf%oCfo, aŠe SQL •¶, ², AE, É“Ç, Ýž, ñ, ÅfT[]fo[], É‘—, é[]s[], ìÅ‘å’l, ðŽw’è, µ, Ü, ·B, ±, ê, É, íC—ñCfCf“fffbfNfX[]C, „, æ, N—LŒø«f` ffibfN, ÉŠO, , é[]í•ñ, ðŽæ, è[]o, , ½, B, É[]Cfe[]fuf<, aŠJ, ç, Ä, ç, éŠO, Éfhf%oCfo, aſT[]fo[], É‘—, é[]C[]Æ‰o—â, f[]t, í, ¹, àŠÜ, Ü, ê, Ü, ·B

MAX ROWS , ìÝ‘è’l, æ, è, à, ½, —v<, a”[]s, ³, ê, é, AEfGf%o[]iDBIERR\_ROWFETCHLIMIT[]j, a•Ø, ³, ê, Ü, ·B-ß, è’l DBIERR\_ROWFETCHLIMIT, íDBIERR\_EOF, ÊŽ—, Ä, ç, Ü, , aCDBIERR\_ROWFETCHLIMIT, ífT[]fo[]íä, É[]s, aŽc, Ä, Ä, ç, é, AE, «, É[]CfNf%oCfAf“fg, a<“I, É‘—M, , é EOF, Ä, , é, AE, ç, x, „, a^Ü, È, è, Ü, ·BMAX ROWS f]fvfVftf“, É, æ, èCfT[]fU[], É, æ, éfVfXfef€fS[]fX, ìS’©, ð%oñ”ð, Ä, «, Ü, ·B, ½, AE, l, íff[]f^fx[]fxSC—ZO, íCfT[]fU[], a’å<K-í, Èff[]f^fx[]fX, É‘l, µ, Ä "SELECT \* ..." , ðŒë, Ä, ÄZÄ[]s, µ, Ä, µ, Ü, Ä, ½, é, f, Ä, àCfT[]fo[], „, æ, Nflfbfgf[]fNfSf[]fX, „, , ífT[]fU[], É[]S’©, ³, ê, È, ç, æ, x, É[]CŠA<“Y‘èftf@fCf<, ðY‘è, Ä, «, Ü, ·B

MAX ROWS , ìÝ‘è, a—, ³, ç, AE[]CfXfL[]f} ]í•ñ, ð\•a, É“¾, é, ±, AE, a, Ä, «, È, ç, ½, B, Éfe[]fuf<, ðJ, , È, , È, é, f, a, , é, l, Ä’Ó, µ, Ä, , ¾, ³, f]BMAX ROWS , ìÝ‘è’l, a—, ³, ç, ½, B, É[]Cfe[]fuf<, ðJ, ç, Ä, ç, é, AE, «, É•K—v, È, , x, Ä, l, f]f^ff[]f^í•ñ, aŽæ, è[]o, , È, ç, AEfGf%o[], É, È, è[]Cfe[]fuf<, ðJ, , ±, AE, l, Ä, «, Ü, ¹, n]BMAX ROWS , íX[]V•s‰A”, È-â, f[]t, í, , È, í%oé<, µ, Ü, ¹, n]B, ±, ê, l-ñí•ñ, l-â, f[]t, í, , È, íCfXfL[]f} -â, f[]t, í, , l, ã, í, è, È DESCRIBE, aŽg, í, ê, é, ½, B, Ä, ·B

fffffHf<fg: -1[]i“Ç, Ýž, p[]s[], É[]sŒÀ, È, µ[]j

Œx[]! MAX ROWS , ì[]sŒÀ, È, æ, Ä, íCDBIERR\_EOF, ðŽó, —Žæ, é, Ü, Ä“Ç, Ýž, Ý, ð[]s, xSù’¶, l BDE fAfvfSfP[]fVftf“, a]l—, , é, f, a, , è, Ü, ·B-ß, è’l, AE, µ, Ä DBIERR\_EOF, ¾, , Ä, È, DBIERR\_ROWFETCHLIMIT, à]—, Ä, «, é, æ, x, È[]C, „, íAfvfSfP[]fVftf“•í]X, µ, È, , ê, l, È, è, Ü, ¹, n]Bft[]fU[], íC, , Ä, É“Ç, Ýž, ñ, ¾[]s, ð, , x, ÄZQ[]AE, Ä, «, È, , ê, l, È, è, Ü, ¹, n]B, Ü, ½, CfT[]fo[]íä, È, , ç, É[]s, a, , é, ±, AE, ðft[]fU[], a”FŽ, Ä, «, È, , ê, l, È, è, Ü, ¹, n]B

## SQLQRYMODE

□Ý'è	“à—e
NULL[i<ó”’]j	□Â‰,ì-â,¢‡,í,í SQL fT[fo][,É’µ,Äs,í,ê,éBfT[fo][,¤- â,¢‡,í,í,ðŽÄs,Å,«,È,¢‡ê‡C,»,ì- â,¢‡,í,í,fj[ffj,ÅŽÄs,³,ê,éiffftfHf <fg>j</fg>
SERVER	-â,¢‡,í,í SQL fT[fo][,É’— □M,³,ê,éBfT[fo][,¤- â,¢‡,í,í,ðŽÄs,Å,«,È,¢‡ê‡Cf[ffj,Å,ì □^—,íŽÄs,³,ê,È,¢
LOCAL	-â,¢‡,í,í,Éf[ffj,ÅŽÄs,³,ê,é

## SQLPASSTHRU MODE

fpfXfXf<[] SQL ,Æ•W€ BDE ,Æ,ìŠÔ,Å“-,¶ff[f^fx][fx]Ú’±,ð<ø>L,·,é,©,ç,¤,©C<ø—  
L,·,é,¤,í,ç,ì,æ,¤,É<ø>L,·,é,©,ðŽw’è,µ,Ü,·Bfgf‰of“fUfNfVf#f”,ì,é,¤,íCfpfXfXf<[]fgf  
‰of“fUfNfVf#f”,Æ,»,ê^ÈŠO,fgf‰of“fUfNfVf#f”,¤ŒY,¢,É’SŽè,ðu’m,Å,Ä,¢,é,¤,©,ç,¤  
,©,ðŒ^,ß,Ü,·B

SQLPASSTHRUMODE ,ìÝ’è,É’½ÚŠÖŒW,·,é,ì,íCfpfXfXf<[] SQL ,ðŽg—  
p,·,éfAfvfSfp[ff],ÉŒÀ,ç,ê,Ü,·B,½,Æ,ì,íCfpfXfXf<[] SQL ,Åfgf  
‰of“fUfNfVf#f”,ð^µ,¤fAfvfSfp[ff],ð§Œä,·,éfvf[ff]of‰of€,ðŠ”,·,é,¤,íCSQLPASSTHRU  
MODE ,ð NOT SHARED ,ÉÙÝ’è,µ,È,·,é,ì,È,è,Ü,¹,ñ,·B,»,¤,µ,È,¢,ÆCfpfXfXf<[] SQL  
,ÆfAfvfSfp[ff],íf[fbfh,¤,f,µ,ÄC—\’zŠO,ìŒ‰È,ð,µ,,±,Æ,¤,·,é,Ü,·B

□Ý'è	“à—e
NOT SHARED []i<ó”’,ì,é,¤,j	fpfXfXf<[] SQL ,Æ,»,ê^ÈŠO,ì SQL ,íC“-,¶Ú’±,ð<ø>L,µ,È,¢iffftfHf <fg>jB</fg>
SHARED AUTOCOMMIT	fpfXfXf<[] SQL ,Æ,»,ê^ÈŠO,ì SQL ,íC“-,¶Ú’±,ð<ø>L,·,é,·B-¾Ž;“I,ÉfNf ‰ofCfAf“fgfgf‰of“fUfNfVf#f”,·,é,¢ ,ífofbf`f,ífh,Å,È,¢ŒÀ,è,íCfpfXfXf<[] SQL •¶,íZ©“®“I,ÉfRf~fbfg,³,é,éiffftfHf <fg>j ·B^é,ì,·,Æ,ÉfRf~fbfg,³,é,é,·B,± ,íf,ífh,íf[ff][ff][f^fx][fx]“®ì,É^é”Ô&lt;ø,ß, ¢,à,ì,È,È,é,¤CSQL fT[fo][,É,íŒø ‰È,¤,È,¢,·B,±,é,íC^é,ì,²,Æ,É,·V,·Kfgf ‰of“fUfNfVf#f”,ðN“®,µ,ÄfRf~fbfg,·,é,ì,Å íCf[fbfgf][fN,É•‰‰×,¤,©,¤,é,½,ß</fg>
SHARED NOAUTOCOMMIT	fpfXfXf<[] SQL ,ÆfpfXfXf<[] ^ÈŠO,ì SQL ,íC“-,¶Ú’±,ð<ø>L,·,é,·B,½,¾,µ,¤CSQL fhf ‰ofCfo,ífpfXfXf<[] •¶,ðŽ©“®“I,ÉfRf~fbfg ,µ,È,¢,BfAfvfSfp[ff],Å,íC- ¾Ž;“I,Éfgf ‰of“fUfNfVf#f”,ðN“®,íCfRf~fbfg,µ,È,·,é ,·,È,ç,È,¢,·B,± ,íÙÝ’è,È,æ,è,¤C•,ì,íft[ff][fU][,¤,·,é,ì,·s,ð X,·,é,æ,¤ ,Èf}f <ff>f[ff][fU][ŠA&lt;,,Å,íC,·,¤,·,é,·-</ff>

¶¶,·,éºêº‡,º,ºé

## Paradox ÇE¾ÇEêfhf‰ofCfo

À-¾

Ž,í•\,í Paradox fe[fuf<,Åžg,!,éŒ¾Œêfhf‰ofCfo,Æ,»,ê,¼,ê,íŒ¾Œêfhf‰ofCfo,íFR[fhfy[fW,Å,·B

'Ó: "à•"fhf‰ofCfo-¼,íå•¶žš,Æ¬•¶žš,íkæ•Ê,³,ê,Ü,·B

'·,¢-¼'º	"à•"fhf‰ofCfo-¼	•¶žšfZfbfg	¶Æ•‡fv¶[fPf"fx
Paradox 'ascii'	ascii	DOS CODE PAGE 437	Binary
Paradox 'hebrew'	hebrew	DOS CODE PAGE 862	Hebrew
Paradox 'intl'	intl	DOS CODE PAGE 437	Multilingual Western Europe
Paradox 'intl' 850	intl850	DOS CODE PAGE 850	Brazilian Portuguese, French Canadian
Paradox 'japan'	japan	DOS CODE PAGE 932	Japanese
Paradox 'nordan'	nordan	DOS CODE PAGE 865	Norwegian/Danish (Paradox 3.5)
Paradox 'nordan40'	nordan40	DOS CODE PAGE 865	Norwegian/Danish (Paradox 4.0, 5.0, 5.5, 7.0)
Paradox 'swedfin'	swedfin	DOS CODE PAGE 437	Swedish/Finnish
Paradox 'turk'	turk		Turkish
Paradox ANSI HEBREW	ANHEBREW	1255(ANSI)	HebrewAnsi
Paradox China 936	china	DOS CODE PAGE 936	China
Paradox Cyrr 866	cyrr	DOS CODE PAGE 866	Cyrillic
Paradox Czech 852	czech	DOS CODE PAGE 852	Czech852
Paradox Czech 867	cskamen	DOS CODE PAGE 867	Czech867
Paradox ESP 437	SPANISH	DOS CODE PAGE 437	Spanish
Paradox Greek GR437	grcp437	DOS CODE PAGE 737	Greek

Paradox Hun 852 DC	hun852dc	DOS CODE PAGE 852	Hungarian
Paradox ISL 861	iceland	DOS CODE PAGE 861	Icelandic
Paradox Korea 949	korea	DOS CODE PAGE 949	Korea
Paradox Polish 852	polish	DOS CODE PAGE 852	Polish
Paradox Slovene 852	slovene	DOS CODE PAGE 852	Slovene
Paradox Taiwan 950	taiwan	DOS CODE PAGE 950	Taiwan
Paradox Thai 874	thai	DOS CODE PAGE 874	Thai
Pdox ANSI Chinese	ANCHINA		
Pdox ANSI Cyrillic	ancyrr	1251 (ANSI)	Paradox "cyrr"
Pdox ANSI Czech	anczech	1250 (ANSI)	Paradox "czech"
Pdox ANSI Greek	angreek1	1253 (ANSI)	Paradox "greek"
Pdox ANSI Hun. DC	anhundc	1250 (ANSI)	Paradox "hung"
Pdox ANSI Intl	ANSIINTL	1252 (ANSI)	Paradox "intl"
Pdox ANSI Intl850	ANSII850	DOS CODE PAGE 850	Paradox "intl850"
Pdox ANSI Korean	ANKOREA		
Pdox ANSI Nordan4	ANSINOR4	1252 (ANSI)	Paradox "nordan40"
Pdox ANSI Polish	anpolish	1250(ANSI)	Paradox "polish"
Pdox ANSI Slovene	ansislov	1250(ANSI)	Paradox "slovene"
Pdox ANSI Spanish	ANSISSPAN	1252(ANSI)	Paradox "SPANISH"
Pdox ANSI Swedfin	ANSISWFN	1252(ANSI)	Paradox "swedfin"
Pdox ANSI Taiwanese	ANTAIWAN		
Pdox ANSI Thai	ANTHAI		
Pdox ANSI Turkish	ANTURK	1254(ANSI)	Paradox "turk"
pdx ANSI Czech	anczechw	1250 (ANSI)	

'CH'

pdx Czech 852      czechw

DOS CODE  
PAGE 852

pdx Czech 867      cskamenw

DOS CODE  
PAGE 867

pdx ANSI ISO L\_2  
CZ

anil2czw

1250 (ANSI)

Paradox Czech,  
ISO8859-2 (ANSI)

pdx ISO L\_2 Czech

il2czw

592

Paradox Czech,  
ISO8859-2

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## dBASE ÇE³/CEêfhf‰ofCfo

À-¾

ŽŸ,à•í,dBASE feñfufç,Åžg,,éCE³/CEêfhf‰ofCfo,ÆCE³/CEêfhf‰ofCfo,äfTf|  
ñfg,.,éCE³/CEê,Å,·ñB

'ñ^Ó:"à•"fhf‰ofCfo-¼,ì'å•¶Žš,Æñ→•¶Žš,íæ•Ê,³,ê,Ü,·ñB

'·,¢-¼'Ø	"à•"fhf ‰ofCfo-¼	•¶ŽšfZfbfg	Æñ†fVñ[fPf"fx
'ascii' ANSI	DBWINUS0	Windows CODE PAGE 1252	Binary
'Spanish' ANSI	DBWINES0	Windows CODE PAGE 1252	Spanish
'WEurope' ANSI	DBWINWE0	Windows CODE PAGE 1252	Multilingual Western Europe
dBASE CHS cp936	DB936CN0	DOS CODE PAGE 936	dBASE Chinese936
dBASE CSY cp852	DB852CZ0	DOS CODE PAGE 852	dBASE Czech852
dBASE CSY cp867	DB867CZ0	DOS CODE PAGE 867	dBASE Czech867
dBASE DAN cp865	DB865DA0	DOS CODE PAGE 865	dBASE Danish
dBASE DEU cp437	DB437DE0	DOS CODE PAGE 437	dBASE German
dBASE DEU cp850	DB850DE0	DOS CODE PAGE 850	dBASE German850
dBASE ELL GR437	db437gr0	DOS CODE PAGE 437	dBASE Greek
dBASE ENG cp437	DB437UK0	DOS CODE PAGE 437	dBASE English/UK
dBASE ENG cp850	DB850UK0	DOS CODE PAGE 850	dBASE English850/UK
dBASE ENU cp437	DB437US0	DOS CODE PAGE 437	dBASE English/US
dBASE ENU cp850	DB850US0	DOS CODE PAGE 850	dBASE English/US
dBASE ESP cp437	DB437ES1	DOS CODE PAGE 437	dBASE Spanish
dBASE ESP cp850	DB850ES0	DOS CODE PAGE 850	dBASE Spanish850
dBASE FIN	DB437FI0	DOS CODE	dBASE Finnish

cp437		PAGE 437	
dBASE FRA cp437	DB437FR0	DOS CODE PAGE 437	dBASE French
dBASE FRA cp850	DB850FR0	DOS CODE PAGE 850	dBASE French850
dBASE FRC cp850	DB850CF0	DOS CODE PAGE 850	dBASE Canadian-French850
dBASE FRC cp863	DB863CF1	DOS CODE PAGE 863	dBASE Canadian-French863
dBASE HUN cp852	db852(hdc)	DOS CODE PAGE 852	dBASE Hungarian
dBASE ITA cp437	DB437IT0	DOS CODE PAGE 437	dBASE Italian
dBASE ITA cp850	DB850IT1	DOS CODE PAGE 850	dBASE Italian850
dBASE JPN Dic932	DB932JP1	DOS CODE PAGE 932	dBASE Japan Dic932
dBASE JPN cp932	DB932JP0	DOS CODE PAGE 932	dBASE Japan cp932
dBASE KOR cp949	DB949KO0	DOS CODE PAGE 949	dBASE Korea949
dBASE NLD cp437	DB437NL0	DOS CODE PAGE 437	dBASE Dutch
dBASE NLD cp850	DB850NL0	DOS CODE PAGE 850	dBASE Dutch850
dBASE NOR cp865	DB865NO0	DOS CODE PAGE 865	dBASE Norwegian
dBASE PLK cp852	db852(po0)	DOS CODE PAGE 852	dBASE Polish852
dBASE PTB cp850	DB850PT0	DOS CODE PAGE 850	dBASE Brazilian Portuguese 850
dBASE PTG cp860	DB860PT0	DOS CODE PAGE 860	dBASE Brazilian Portuguese 860
dBASE RUS cp866	db866ru0	DOS CODE PAGE 866	dBASE Russian
dBASE SLO cp852	db852(sl0)	DOS CODE PAGE 852	
Dbase SVE cp437	DB437SV0	DOS CODE PAGE 437	dBASE Swedish
dBASE SVE cp850	DB850SV1	DOS CODE PAGE 850	dBASE Swedish850
dBASE CHT cp950	DB950TW0	DOS CODE PAGE 950	dBASE Taiwan950

dBASE THA cp874	db874th0	DOS CODE PAGE 874	dBASE Thai
dBASE TRK cp857	DB857TR0	DOS CODE PAGE 857	dBASE Turkish
<u>Hebrew dBASE</u>	<u>dbHebrew</u>		dBASE Hebrew

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## **ODBC fhf‰oCfo]Ú'±**

BDE fAfvfŠfP][fVfƒ“, ©, ç ODBC fhf‰oCfo, É]Ú'±, ·, é, ½, ß, i]Ý'è, Å, ·]B]Ú'±, É, í]CBDE  
fAfvfŠfP][fVfƒ“]Cfxf“f\_’ñ, i]ODBC fhf‰oCfo]CMicrosoft ODBC fhf‰oCfo{f]Wff]Cf][fNfXfe][fVfƒ“]x, i]BDE fGfŠfAfX]CfT][fo][‘x, i]ODBC ff][f^f]f[X, i]f]ftfgfEfFfA, ä•K—v, Å, ·]B

ODBC fhf‰oCfo]Ú'±, ð]i]¬, ·, é, Æ]CBDE Administrator , i]—~—p‰oÅ"\", Èfhf‰oCfo, i]^é—  
]i]mfhf‰oCfo-½]nfŠfXfgf{fbfNfX]j, É•Z!], ^, è, Ü, ·]B]i]¬, µ, ½ ODBC fhf‰oCfo]Ú'±, ðZg—  
p, µ, Å]C, ^, ç, É-Ú”I, i]ODBC ff][f^f]f[X, i]fGfŠfAfX, ð]Ý'è, ·, é, ±, Æ, É, æ, è]CBDE  
fAfvfŠfP][fVfƒ“, ð‰oî, µ, Å ODBC ff][f^f]f[X, É]Ú'±, Å, «, Ü, ·]B

