/**

stritemn(s,d,n) is a routine that extracts the nth item (as
seperated by commas) from the source string, and copies it to the dest. string. This is an especially handy thing to have in C when working with text data files, or serial port text information, seeing that C string handling is somewhat limited.

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To make strItemN.c work in Lightspeed C 3, create a new project; make sure to add MacTraps, strings, and stdio to this new project.

The source code should be pretty much self explainatory. Feel free to hack it around all you want!

I created the routine because I've dealt a lot with ASCII data coming in thru the serial port formatted in strings representing numbers seperated by comma. I became pretty tired of hacking at this stuff with brute force, and thought, "Wouldn't it be nice to have a speedy routine that would spit out requested items!?!?!?!"

Oh, on that sample program, sorry for all those "(please click the mouse to continue...)", but I work under MF, and LSC has a nasty habit of throwing up those half console windows for the STDIO library when operating under MF. It seems to persist even when I knocked out the stdio.h header which defines _HALFWINDOW_, and not wanting to spend too much time on it, I just started throwing in the "while (!Button())"'s so I could see what was happening.

Here're some examples:

source = "1025,2982,2729,4948,3827,9848"
dest = ""
stritemn(source, dest, 4);
source = "1025,2982,2729,4948,3827,9848" (unaffected)
dest = "4948"

source = "1025,2982,2729,4948,3827,9848"
dest = "random junk"
stritemn(source, dest, 0);
source = "1025,2982,2729,4948,3827,9848" (unaffected)
dest = "1025" (if N<=0, first item always returned)

source = "1025,2982,2729,4948,3827,9848"
dest = "random junk"
stritemn(source, dest, 18);
source = "1025,2982,2729,4948,3827,9848" (unaffected)
dest = "" (if there aren't enough items, dest made empty)

Feel free to drop me a line!

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p.s. you can find me on •Bob's Board (215-446-7670)• if you're from around the Philadelphia area.