



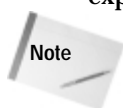
HTML 4 Elements Reference

This appendix provides a reference guide to all the elements and attributes defined in the HTML 4.01 strict, transitional, and frameset flavors. Deprecated elements and attributes are noted. Deprecated attributes and elements are outdated by newer constructs, mostly by style sheets. Deprecated elements may also become obsolete in future versions of HTML, however user agents should continue to support deprecated elements for reasons of backward compatibility. Style sheets should be used to achieve stylistic and formatting effects instead of the older HTML presentational attributes.

Optional attributes are not required. If you do not specify a value, these attributes will take on the default or previously defined value.

Attributes labeled scripts enable authors to create dynamic Web pages that react while users fill them out; however, when it says script next to an attribute this does not imply a specific scripting language, like JavaScript, or Visual Basic.

The difference between elements and attributes is that element names are written in uppercase letters (`BODY`, for example), whereas attribute names are written in lowercase letters (`lang`, and `onmouseover`, for example). In HTML, element and attribute names are case insensitive. See Appendix C for an explanation of attributes and their permissible values.



Intrinsic events are defined at the end of this appendix.

A

PURPOSE	Inserts a hyperlink
TYPE	Inline
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	Contains inline elements and text
ATTRIBUTES	id = "name" (OPTIONAL) type = "content" (OPTIONAL) name = "link end" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) accesskey = "character" (OPTIONAL) shape = "image maps" (OPTIONAL) coords = "image maps" (OPTIONAL) charset = "charset" (OPTIONAL) href = "url" (OPTIONAL) hreflang = "langcode" (OPTIONAL) rel = "link-type" (OPTIONAL) rev = "link-type" (OPTIONAL) tabindex = "number" (OPTIONAL) target = "(_blank, _self, _parent, _top, or name)" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onblur = "script" (OPTIONAL) onfocus = "script" (OPTIONAL)
EXAMPLE	<code> Yahoo!</code>
TIP	Make sure you surround the URL with quotation marks.

ABBR

PURPOSE	Indicates an abbreviation
TYPE	Inline
NESTED WITHIN	Any block element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	<code>id = "name" (OPTIONAL)</code> <code>class = "name" (OPTIONAL)</code> <code>style = "style" (OPTIONAL)</code> <code>title = "name" (OPTIONAL)</code> <code>lang = "language" (OPTIONAL)</code> <code>dir = (rtl, ltr) (OPTIONAL)</code> <code>onclick = "script" (OPTIONAL)</code> <code>ondblclick = "script" (OPTIONAL)</code> <code>onkeydown = "script" (OPTIONAL)</code> <code>onkeypress = "script" (OPTIONAL)</code> <code>onkeyup = "script" (OPTIONAL)</code> <code>onmouseover = "script" (OPTIONAL)</code> <code>onmouseout = "script" (OPTIONAL)</code> <code>onmousedown = "script" (OPTIONAL)</code> <code>onmousemove = "script" (OPTIONAL)</code> <code>onmouseup = "script" (OPTIONAL)</code>
EXAMPLE	<code><ABBR title = "Incorporated">Inc.</ABBR></code>
TIP	Use the <code>title</code> attribute so users can see what the spelled-out version of the abbreviation looks like.

ACRONYM

PURPOSE	Indicates an acronym
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	<code>id = "name" (OPTIONAL)</code> <code>class = "name" (OPTIONAL)</code> <code>style = "style" (OPTIONAL)</code> <code>title = "name" (OPTIONAL)</code> <code>lang = "language" (OPTIONAL)</code>

dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)

EXAMPLE

```
<ACRONYM = "World Wide Web">WWW</ACRONYM>
```

TIP

Use the `title` attribute so users can see what the spelled-out version of the acronym looks like.

ADDRESS**PURPOSE**

Provides information about the author

TYPE

Inline

NESTED WITHIN

Any BLOCK element

START TAG

Required

END TAG

Required

CONTENT

Text

ATTRIBUTES

id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)

EXAMPLE

```
<ADDRESS>John Doe (<A
  HREF="mailto:jd@bogus.org">
  jd@bogus.org</A>)</ADDRESS>
```

TIP Place this element at the bottom of your page to indicate who's responsible for its maintenance. Use a `mailto` URL (as shown) to incorporate a clickable e-mail link. Usually rendered in italics.

APPLET (Deprecated)

PURPOSE	Incorporates a Java applet
TYPE	Inline
NESTED WITHIN	BODY element
START TAG	Required
END TAG	Required
CONTENT	None
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) archive = "CDATA" (OPTIONAL) code = "CDATA" (REQUIRED) codebase = "url" (OPTIONAL) object = "CDATA" (OPTIONAL) alt = "text" (OPTIONAL) name = "CDATA" (OPTIONAL) width = "length" (REQUIRED) height = "length" (REQUIRED) align = "(top, middle, bottom, left, right)" hspace = "pixels" vspace = "pixels"
EXAMPLE	<pre><APPLET code = "tic-tac-toe.class" width="500 height = "500">Play tic-tac-toe!</APPLET></pre>
TIP	To conform to the strict flavor of HTML 4, use the OBJECT element instead.

AREA

PURPOSE	Defines regions in a client-side imagemap
TYPE	Inline
NESTED WITHIN	MAP element
START TAG	Required
END TAG	Forbidden

CONTENT	Empty
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) shape = "(rect, circle, poly, default)" (OPTIONAL) coords = "comma-separated list of lengths" (OPTIONAL) href = "url" (OPTIONAL) nohref (OPTIONAL) alt = "text" (REQUIRED) tabindex = "number" (OPTIONAL) accesskey = "character" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onblur = "script" (OPTIONAL) onfocus = "script" (OPTIONAL)
EXAMPLE	<pre><MAP name = "mymap"> <AREA href = "page1.html" alt = "Page 1" shape = "circle" coords = "184,200,60" </AREA> </MAP></pre>
TIP	The code for client-side imagemaps is generated by imagemap editors.

B

PURPOSE	Bold emphasis
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required

END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL)
EXAMPLE	<code>Text in bold</code>
TIP	Be careful to close this element properly.

BASE

PURPOSE	Specifies an absolute URL to use as the basis for resolving relative URLs in your document
TYPE	inline
NESTED WITHIN	HEAD element
START TAG	Required
END TAG	Forbidden
CONTENT	Empty
ATTRIBUTES	href = "url" target = "(_blank, self, parent, top, or frame name)"
EXAMPLE	<code><BASE = "www.myserver.org/myhome/"></code>
TIP	Always use relative URLs within your document and specify the base with this element. You can then move your document easily by making one change (to the BASE element).

BASEFONT (Deprecated)

PURPOSE	Sets the default font, font size, and color for the entire document
TYPE	Inline
NESTED WITHIN	BODY
START TAG	Required
END TAG	Forbidden
CONTENT	Empty
ATTRIBUTES	id = "name" (OPTIONAL) size = "CDATA" (OPTIONAL) color = "color" (OPTIONAL) face = "CDATA" (OPTIONAL) class = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL)
EXAMPLE	<code><BASEFONT face = "Helvetica" color = "silver" size = "4"></code>
TIP	You can change the font locally using the <code>FONT</code> element.

BDO

PURPOSE	Overrides the default text direction
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (REQUIRED)
EXAMPLE	<code><BDO dir = "ltr">Here's some English amidst a language requiring right-to-left presentation.</BDO></code>
TIP	You can set the whole document's text direction using the <code>dir</code> attribute in the <code>HTML</code> element.

BIG

PURPOSE	Displays text in a large font
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<code><BIG>Text in a large font</BIG></code>
TIP	Be careful to close this element properly.

BLOCKQUOTE

PURPOSE	Indents an extended quotation
TYPE	Block
NESTED WITHIN	BODY element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) cite = "url" (OPTIONAL)

onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE <BLOCKQUOTE>Here's a long quotation.
 </BLOCKQUOTE>

TIP You can use the Q element for inline quotations.

BODY

PURPOSE Provides a container for all the text and elements that appear onscreen within the browser window

TYPE Block

NESTED WITHIN HTML element

START TAG Optional

END TAG Optional

CONTENT Block elements

ATTRIBUTES Strict DTD:
 id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "CSS style definition" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language code" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)

Transitional DTD (deprecated)
 background = "url" (OPTIONAL)
 text = "color" (OPTIONAL)
 link = "color" (OPTIONAL)
 vlink = "color" (OPTIONAL)
 alink = "color" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)

	onload = "script" (OPTIONAL) onunload = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
NOTE	Although the <code>BODY</code> tags are optional, you shouldn't omit them.
EXAMPLE	<pre><BODY> <H1>Sailing the Southern Chesapeake Bay</H1> </BODY></pre>
TIP	Use substantive title words to increase chance of detection by Web search engines.

BR

PURPOSE	Inserts a line break at the element's position
TYPE	Inline
NESTED WITHIN	<code>BODY</code>
START TAG	Required
END TAG	Forbidden
CONTENT	Empty (no content permitted)
ATTRIBUTES	Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) Transitional DTD: clear = "(none, left, right, all)"
EXAMPLE	I will put a line break <code>
</code> here.
DON'T FORGET	Enter blank lines with <code>
</code> , not <code><P></code> .

BUTTON

PURPOSE	Creates a button with definable text on the button face
TYPE	Inline
NESTED WITHIN	<code>FORM</code> element
START TAG	Required
END TAG	Required
CONTENT	Text (displayed on button face)

ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) name = "CDATA" (OPTIONAL) value = "CDATA" (OPTIONAL) type = "(button, submit, reset)" (OPTIONAL) disabled (OPTIONAL) tabindex = "number" (OPTIONAL) accesskey = "character" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onblur = "script" (OPTIONAL) onfocus = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
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EXAMPLE `<BUTTON type = "submit" name = "submit">Send It!</BUTTON>`

TIP **If you want to specify the text on the button face, use this element instead of INPUT.**

CAPTION

PURPOSE	Creates a caption for a table
TYPE	Inline
NESTED WITHIN	TABLE element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL)

lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

Transitional DTD:

align = "(top, bottom, left, right)"

EXAMPLE <CAPTION>Table 19.3 Expected vs. Actual
Values</CAPTION>

TIP You must use this immediately after the TABLE element's
start tag. You can specify only one caption per table.

CENTER (Deprecated)

PURPOSE	Centers the text enclosed within the tags
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL)

`onmouseover = "script" (OPTIONAL)`

`onmouseout = "script" (OPTIONAL)`

EXAMPLE

`<CENTER>This text is centered.</CENTER>`

TIP

Use `DIV align = "center"` instead, or style sheets.

CITE

PURPOSE

Marks a cited work

TYPE

Inline

NESTED WITHIN

Any BLOCK element

START TAG

Required

END TAG

Required

CONTENT

Text

ATTRIBUTES

`id = "name" (OPTIONAL)`

`class = "name" (OPTIONAL)`

`style = "style" (OPTIONAL)`

`title = "name" (OPTIONAL)`

`lang = "language" (OPTIONAL)`

`dir = (rtl, ltr) (OPTIONAL)`

`onclick = "script" (OPTIONAL)`

`ondblclick = "script" (OPTIONAL)`

`onkeydown = "script" (OPTIONAL)`

`onkeypress = "script" (OPTIONAL)`

`onkeyup = "script" (OPTIONAL)`

`onmousedown = "script" (OPTIONAL)`

`onmousemove = "script" (OPTIONAL)`

`onmouseup = "script" (OPTIONAL)`

`onmouseover = "script" (OPTIONAL)`

`onmouseout = "script" (OPTIONAL)`

EXAMPLE

`<CITE>Leaves of Grass</CITE> by Walt Whitman`

TIP

Usually rendered in italics.

CODE

PURPOSE

Identifies text as computer code

TYPE

Inline

NESTED WITHIN

Any BLOCK element

START TAG

Required

END TAG

Required

CONTENT

Text

ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
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EXAMPLE `<CODE>dowhile book-done = "no"</CODE>`

TIP Usually rendered in a monospace font and indistinguishable from KBD, SAMP, TT, and VAR.

COL

PURPOSE	Identifies individual columns so you can assign attributes to them
TYPE	Block
NESTED WITHIN	COLGROUP element
START TAG	Required
END TAG	Forbidden
CONTENT	Empty
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) span = "number" (OPTIONAL) width = "lengths" (OPTIONAL) cellhalign = "horizontal alignment" (OPTIONAL) cellvalign = "vertical alignment" (OPTIONAL) align = "cell alignment" (OPTIONAL) char = cell alignment (OPTIONAL) charoff = cell alignment (OPTIONAL) valign = cell alignment (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL)

onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

```
<COL width = 20 span = 3>
```

TIP

This is an empty element that contains attributes only. To create columns, specify TD elements within a TR element.

COLGROUP

PURPOSE	Groups columns and sets default alignments
TYPE	Inline
NESTED WITHIN	TABLE element
START TAG	Required
END TAG	Required
CONTENT	Empty
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) span = "number" (OPTIONAL) width = "lengths" (OPTIONAL) align = "(left, center, right, justify, char)" char = "character" charoff = "length" valign = "(top, middle, bottom, baseline)" onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)

EXAMPLE `<COLGROUP width = 20 span = 3>`

TIP This is an empty element that contains attributes only. To create columns, specify TD elements within a TR element. To define the attributes of individual columns and override COLGROUP, use COL.

DD

PURPOSE Identifies a definition in a definition list

TYPE Block

NESTED WITHIN DL element

START TAG Required

END TAG Optional

CONTENT Text and inline elements

ATTRIBUTES id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE `<DD>Here is the definition of the term.</DD>`

TIP Use DD within a DL list. For the term, use DT.

DEL

PURPOSE Indicates deleted text in a legal or political document

TYPE Inline

NESTED WITHIN Any BLOCK element

START TAG Required

END TAG Required

CONTENT	Text and inline elements (no block elements permitted)
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) cite = "url" (OPTIONAL) datetime = "YYYYMMDD" onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	We can support <code>10<INS>12</INS></code> positions.
TIP	Use INS to show what's inserted in place of the deleted text.

DFN

PURPOSE	Indicates the defining instance of a term
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL)

onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE `<DFN>anime</DFN>` refers to a distinctive Japanese tradition of cartoon animation.

TIP Use `DL`, `DD`, and `DT` for a definition list.

DIR (Deprecated)

PURPOSE This element was originally intended for multicolumn directory listings, but browsers render it as an unordered list (`UL`)

TYPE block

NESTED WITHIN BODY

START TAG Required

END TAG Required

CONTENT Text and inline elements

ATTRIBUTES

- `id = "name"` (OPTIONAL)
- `class = "name"` (OPTIONAL)
- `style = "style"` (OPTIONAL)
- `title = "name"` (OPTIONAL)
- `lang = "language"` (OPTIONAL)
- `dir = (rtl, ltr)` (OPTIONAL)
- `onclick = "script"` (OPTIONAL)
- `ondblclick = "script"` (OPTIONAL)
- `onkeydown = "script"` (OPTIONAL)
- `onkeypress = "script"` (OPTIONAL)
- `onkeyup = "script"` (OPTIONAL)
- `onmousedown = "script"` (OPTIONAL)
- `onmousemove = "script"` (OPTIONAL)
- `onmouseup = "script"` (OPTIONAL)
- `onmouseover = "script"` (OPTIONAL)
- `onmouseout = "script"` (OPTIONAL)

EXAMPLE

```

<DIR>
<LI>Item 1
<LI>Item 2
<LI>Item 3
</DIR>

```

TIP Use `UL` instead.

DIV

PURPOSE	Provides a means for grouping elements and assigning attributes to the group
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	Block elements
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<pre><DIV> <H1>Heading</H1> <P>Paragraph 1</P> </DIV></pre>
TIP	Use SPAN to group inline elements. Note, browsers generally place a line break before a DIV element, but impose no other presentation attributes.

DL

PURPOSE	Creates a definition list
TYPE	Block
NESTED WITHIN	DL element
START TAG	Required
END TAG	Required
CONTENT	Text and inline elements

ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<pre><DL> <DT>term 1 <DD>definition of term 1 </DL></pre>
TIP	Use DT within a DL list. Use DD for the definition.

DT

PURPOSE	In a definition list, identifies a defined term
TYPE	Block
NESTED WITHIN	DL element
START TAG	Required
END TAG	Optional
CONTENT	Text and inline elements
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL)

onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE <DT>antidisestablishmentarianism</DT>

TIP Use DT within a DL list. Use DD for the definition.

EM

PURPOSE Marks text for emphasis

TYPE Inline

NESTED WITHIN Any BLOCK element

START TAG Required

END TAG Required

CONTENT Text

ATTRIBUTES id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE Do this right now.

TIP Usually rendered in italics.

FIELDSET

PURPOSE In a form, groups thematically related elements

TYPE Block

NESTED WITHIN BODY element

START TAG Required

END TAG	Required
CONTENT	Contains HTML elements and text
ATTRIBUTES	<p>Strict DTD:</p> <p>id = "name" (OPTIONAL)</p> <p>class = "name" (OPTIONAL)</p> <p>style = "CSS style definition" (OPTIONAL)</p> <p>title = "name" (OPTIONAL)</p> <p>lang = "language code" (OPTIONAL)</p> <p>dir = (rtl, ltr) (OPTIONAL)</p> <p>onclick = "script" (OPTIONAL)</p> <p>ondblclick = "script" (OPTIONAL)</p> <p>onkeydown = "script" (OPTIONAL)</p> <p>onkeypress = "script" (OPTIONAL)</p> <p>onkeyup = "script" (OPTIONAL)</p> <p>onmousedown = "script" (OPTIONAL)</p> <p>onmousemove = "script" (OPTIONAL)</p> <p>onmouseup = "script" (OPTIONAL)</p> <p>onmouseover = "script" (OPTIONAL)</p> <p>onmouseout = "script" (OPTIONAL)</p>
EXAMPLE	<pre><FORM> <FIELDSET> <LEGEND>Title of Subsection of Form</LEGEND> <INPUT> <INPUT> <INPUT> </FIELDSET> </FORM></pre>
TIP	Use LEGEND to provide a title for the group.

FONT (Deprecated)

PURPOSE	Defines presentation styles for fonts
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text and other inline elements
ATTRIBUTES	<p>id = "name" (OPTIONAL)</p> <p>class = "name" (OPTIONAL)</p> <p>style = "style" (OPTIONAL)</p> <p>title = "name" (OPTIONAL)</p> <p>lang = "language" (OPTIONAL)</p>

dir = (rtl, ltr) (OPTIONAL)
 size = "CDATA " (OPTIONAL)
 color = "color" (OPTIONAL)
 face = "CDATA" (OPTIONAL)

EXAMPLE

TIP Define font presentation styles with style sheets.

FORM

PURPOSE Creates a form for user input

TYPE Block

NESTED WITHIN BODY

START TAG Required

END TAG Required

CONTENT INPUT and SELECT elements; text

ATTRIBUTES

id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 action = "url" (REQUIRED)
 method = "(get, post)" (default = "get") (OPTIONAL)
 enctype = "MIME type" (OPTIONAL)
 target = "frame" (OPTIONAL)
 name= "name" (OPTIONAL)
 accept-charset = "charset" (OPTIONAL)
 accept = "MIME type" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onsubmit = "script" (OPTIONAL)
 onreset = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE `<FORM action = "script.cgi">`
 `<INPUT type = "text" size = "60" >`
 `</FORM>`

TIP **Forms don't do anything unless the output is directed to a program that can decode and process the submitted information.**

FRAME

PURPOSE **Specifies the content and appearance of text loaded into a single frame**

TYPE **Inline**

NESTED WITHIN **FRAMESET**

START TAG **Required**

END TAG **Forbidden**

CONTENT **Empty**

ATTRIBUTES **id = "name" (OPTIONAL)**
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 src = "url" (OPTIONAL)
 longdesc = "url" (OPTIONAL)
 name = "CDATA" (OPTIONAL)
 frameborder = "(1, 0)" (OPTIONAL)
 marginwidth = "pixels" (OPTIONAL)
 marginheight = "pixels" (OPTIONAL)
 noresize (OPTIONAL)
 scrolling = "(yes, no, auto)" (OPTIONAL)

EXAMPLE `<FRAMESET cols = "15%, *">`
 `<FRAME src = "navaid.s.htm">`
 `<FRAME src = "page1.htm">`
 `</FRAMESET>`

TIP **Don't use a BODY element on a page containing frame elements or the frames won't work.**

FRAMESET

PURPOSE **Defines frame sizes and positions in a framed document**

TYPE **N/A**

NESTED WITHIN **HTML**

START TAG	Required
END TAG	Required
CONTENT	FRAME elements
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) rows = "comma-separated list of lengths" (OPTIONAL) cols = "comma-separated list of lengths" (OPTIONAL) onload = "script" (OPTIONAL) onunload = "script" (OPTIONAL)
EXAMPLE	<pre><FRAMESET cols = "15%, *"> <FRAME src = "navaid.s.htm"> <FRAME src = "page1.htm"> </FRAMESET></pre>
TIP	Don't use a BODY element on a page containing frame elements or the frames won't work.

H1 through H6

PURPOSE	Marks the enclosed text as a heading, ranging from most prominent (H1) to least prominent (H6)
TYPE	Block
NESTED WITHIN	BODY element
START TAG	Required
END TAG	Required
CONTENT	Contains HTML elements and text
ATTRIBUTES	Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "CSS style definition" (OPTIONAL) title = "name" (OPTIONAL) lang = "language code" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL)

onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

Transitional DTD:

align = "left, center, right, justify" (OPTIONAL)

EXAMPLE

```
<H1>This is a major heading</H1>
```

TIP

The H1 element appears to be the document's title, so it's wise to use it for this purpose. Note, heading levels H4 through H6 are rarely used.

HEAD

PURPOSE

Demarcates an area containing elements describing the document's contents, including the TITLE

NESTED WITHIN

HTML element

START TAG

Optional

END TAG

Optional

CONTENT

Can contain the SCRIPT, STYLE, META, LINK, OBJECT, TITLE, and BASE elements

ATTRIBUTES

profile = "url" (OPTIONAL)
 lang = "language-code" (OPTIONAL)
 dir = (ltr, rtl) (OPTIONAL)

EXAMPLE

```
<HEAD>
<TITLE>Sailing the Southern Chesapeake Bay
</TITLE>
</HEAD>
```

TIP

The most important function of the HEAD element is to provide a home for the TITLE element.

HTML

PURPOSE

Demarcates the portion of the document containing HTML

NESTED WITHIN

None (encloses all other elements)

START TAG

Optional

END TAG

Optional

CONTENT

Contains HTML elements and text

ATTRIBUTES:

lang = "language-code" (OPTIONAL)
 dir = (ltr, rtl) (OPTIONAL)

EXAMPLE: <HTML>
 [all other elements]
 </HTML>

TIP Although these tags are optional, it's good form to include them.

HR

PURPOSE Inserts a horizontal rule
TYPE Inline
NESTED WITHIN Any BLOCK element
START TAG Required
END TAG Forbidden
CONTENT Text and inline elements (no block elements permitted)

ATTRIBUTES Strict DTD:
 id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)

 Transitional DTD (deprecated):
 align = "(left, center, right)" (OPTIONAL)
 noshade (OPTIONAL)
 size = "pixels" (OPTIONAL)
 width = "length" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE <P>A paragraph</P>
 <HR>
 <P>Another paragraph</P>

TIP Use style sheets to assign presentation attributes to rules.

I

PURPOSE	Italic emphasis
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<code><I>Text in italics</I></code>
TIP	Be careful to close this element properly.

IFRAME

PURPOSE	Creates an inline subwindow in which you can insert another document
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text and inline elements (no BLOCK elements permitted)
ATTRIBUTES	height = "length" (OPTIONAL) width = "length" (OPTIONAL) id = "name" (OPTIONAL)

class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 longdesc = "url" (OPTIONAL)
 name = "CDATA" (OPTIONAL)
 src = "url" (OPTIONAL)
 frameborder = "(1,0)" (OPTIONAL)
 marginwidth = "pixels" (OPTIONAL)
 marginheight = "pixels" (OPTIONAL)
 scrolling = "(yes, no, auto)" (OPTIONAL)
 align = "(top, middle, bottom, left, right)" (OPTIONAL)

EXAMPLE

```

<IFRAME src = "insert.html" width = 200 height
= 300 scrolling = "yes" frameborder = "0">Your
browser doesn't support inline frames. However,
you can visit the <A href = "insert.html">
document </A> that would have been shown here.
  
```

TIP

Place text to be viewed by browsers that don't support inline frames between the tags. Given the inconsistent implementation of IFRAME, be sure to preview your page in both IFRAME compliant and noncompliant browsers.

IMG

PURPOSE	Inserts a graphic at the tag's location
TYPE	Inline
NESTED WITHIN	BODY
START TAG	Required
END TAG	Forbidden
CONTENT	Empty
ATTRIBUTES	Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) src = "url" (REQUIRED) alt = "CDATA" (REQUIRED) longdesc = "url" (OPTIONAL) usemap = "url" (OPTIONAL) ismap = "ismap" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL)

onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)
 Name = "CDATA" (OPTIONAL)

Transitional DTD (deprecated):

width = "length" (OPTIONAL)
 height = "length" (OPTIONAL)
 vspace = "length" (OPTIONAL)
 hspace = "length" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 border = "pixels" (OPTIONAL)
 align = "(bottom, middle, top, left, right)" (OPTIONAL)

EXAMPLE

```
<IMG source = "picture.gif" alt = "A picture of
my sailboat.">
```

INPUT

PURPOSE	Accepts user input within a form
TYPE	Inline
NESTED WITHIN	FORM
START TAG	Required
END TAG	Forbidden
CONTENT	Empty
ATTRIBUTES	<p>id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) accept = "MIME type" (OPTIONAL) ismap = "ismap" (OPTIONAL) type = "(text, password, checkbox, radio, submit, reset, file, hidden, image, button)" (REQUIRED) name = "CDATA" (OPTIONAL) value = "CDATA" (OPTIONAL) checked (OPTIONAL) disabled (OPTIONAL) readonly (OPTIONAL) size = "CDATA" (OPTIONAL) maxlength = "number" (OPTIONAL) src = "url" (OPTIONAL)</p>

alt = "CDATA" (OPTIONAL)
 usemap = "url" (OPTIONAL)
 tabindex = "number" (OPTIONAL)
 accesskey = "character" (OPTIONAL)

Transitional DTD (deprecated):
 align = "(left, center, right)" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onblur = "script" (OPTIONAL)
 onfocus = "script" (OPTIONAL)
 onchange = "script" (OPTIONAL)
 onselect = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE `<INPUT type = "text" size = "60" >`

TIP Many of the attributes have specific meanings for a given input type. For example, in a text input box, the `size` attribute governs the length of the box displayed on-screen.

INS

PURPOSE	Indicates inserted text in a legal or political document
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text and inline elements (no BLOCK elements permitted)
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) cite = "url" (OPTIONAL) datetime = "YYYYMMDD" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL)

onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE We can support `10<INS>12</INS>` positions.

TIP Use `DEL` to show what's deleted.

ISINDEX (Deprecated)

PURPOSE Creates a single-line text input control for server-enabled searches

TYPE Inline

NESTED WITHIN Any BLOCK element

START TAG Required

END TAG Forbidden

CONTENT Empty

ATTRIBUTES `id = "name"` (OPTIONAL)
`class = "name"` (OPTIONAL)
`style = "style"` (OPTIONAL)
`title = "name"` (OPTIONAL)
`lang = "language"` (OPTIONAL)
`dir = (rtl, ltr)` (OPTIONAL)
`prompt = "text"` (OPTIONAL)

EXAMPLE `<ISINDEX prompt = "Enter your search terms here">`

TIP Use form elements instead.

KBD

PURPOSE Displays text to be entered by the user as input

TYPE Inline

NESTED WITHIN Any BLOCK element

START TAG Required

END TAG Required

CONTENT Text

ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	In the user name text box, type <code><KBD>anonymous</KBD>.</code>
TIP	Usually rendered in a monospace font and indistinguishable from CODE, SAMP, TT, and VAR.

LABEL

PURPOSE	Associates text with a control so when the user passes the mouse pointer over the control, the focus (selection) passes to the associated control
TYPE	Inline
NESTED WITHIN	FORM
START TAG	Required
END TAG	Required
CONTENT	Text and Input controls
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) for = "id of another element" (OPTIONAL) accesskey = "character" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL)

onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onblur = "script" (OPTIONAL)
 onfocus = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<LABEL>Please type the date (DD/MM/YYYY).
<INPUT type = "text">
</LABEL>

```

TIP

In a table, use the `for` attribute to specify the ID of the associated control.

LEGEND

PURPOSE	In a form, provides a title for a thematically related group of elements established with the <code>LEGEND</code> element
TYPE	Inline
NESTED WITHIN	<code>LEGEND</code> element
START TAG	Required
END TAG	Required
CONTENT	Contains HTML elements and text
ATTRIBUTES	<p>Strict DTD:</p> <p> <code>id</code> = "name" (OPTIONAL) <code>class</code> = "name" (OPTIONAL) <code>style</code> = "CSS style definition" (OPTIONAL) <code>title</code> = "name" (OPTIONAL) <code>lang</code> = "language code" (OPTIONAL) <code>dir</code> = (rtl, ltr) (OPTIONAL) <code>accesskey</code> = "character" (OPTIONAL) <code>onclick</code> = "script" (OPTIONAL) <code>ondblclick</code> = "script" (OPTIONAL) <code>onkeydown</code> = "script" (OPTIONAL) <code>onkeypress</code> = "script" (OPTIONAL) <code>onkeyup</code> = "script" (OPTIONAL) <code>onmousedown</code> = "script" (OPTIONAL) <code>onmousemove</code> = "script" (OPTIONAL) <code>onmouseup</code> = "script" (OPTIONAL) <code>onmouseover</code> = "script" (OPTIONAL) <code>onmouseout</code> = "script" (OPTIONAL) </p> <p>Transitional DTD:</p> <p> <code>align</code> = "top, bottom, left, right" (OPTIONAL) </p>

EXAMPLE

```
<FORM>
<FIELDSET>
  <LEGEND>Title of Subsection of Form</
LEGEND>
  <INPUT>
  <INPUT>
  <INPUT>
</FIELDSET>
</FORM>
```

TIP Use LEGEND within a FIELDSET element.

LI

TYPE Block

PURPOSE Defines an item in a list

NESTED WITHIN UL, OL, DIR, MENU

START TAG Required

END TAG Optional

CONTENT LI elements for each line of list

ATTRIBUTES

Strict DTD:

```
id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)
lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)
```

Transitional DTD (deprecated):

```
type = "(disc, square, circle)" (OPTIONAL)
value = "(number)" (OPTIONAL)
compact = "(boolean)" (OPTIONAL)
```

EXAMPLE

```
<UL>
<LI>Here's the first item in the list.
<LI>Here's the second item in the list.
<LI>Here's the third item in the list.
</UL>
```

TIP The end tag is optional.

LINK

PURPOSE Defines the relationship between two linked documents

TYPE Block

NESTED WITHIN HEAD element

START TAG Required

END TAG Forbidden

CONTENT Empty

ATTRIBUTES

`id` = "name" (OPTIONAL)
`class` = "name" (OPTIONAL)
`style` = "CSS style definition" (OPTIONAL)
`title` = "name" (OPTIONAL)
`lang` = "language code" (OPTIONAL)
`dir` = (rtl, ltr) (OPTIONAL)
`charset` = "character set" (OPTIONAL)
`href` = "url" (OPTIONAL)
`hreflang` = "language code" (OPTIONAL)
`type` = "MIMEtype" (OPTIONAL)
`target` = ("_blank", "_self", "_parent", "_top", or frame name)" (Optional)
`rel` = "(alternate, stylesheet, start, next, prev, contents, index, glossary, copyright, chapter, section, subsection, appendix, help, bookmark)" (OPTIONAL)
`rev` = "(alternate, stylesheet, start, next, prev, contents, index, glossary, copyright, chapter, section, subsection, appendix, help, bookmark)" (OPTIONAL)
`media` = "(screen, tty, tv, projection, handheld, print, braille, aural, all)" (OPTIONAL)
`onclick` = "script" (OPTIONAL)
`ondblclick` = "script" (OPTIONAL)
`onkeydown` = "script" (OPTIONAL)
`onkeypress` = "script" (OPTIONAL)
`onkeyup` = "script" (OPTIONAL)
`onmousedown` = "script" (OPTIONAL)
`onmousemove` = "script" (OPTIONAL)
`onmouseup` = "script" (OPTIONAL)
`onmouseover` = "script" (OPTIONAL)
`onmouseout` = "script" (OPTIONAL)

EXAMPLE	<code><LINK rel = "stylesheet" type = "text/css"></code>
TIP	The various forward and backward link types aren't recognized by most browsers.

MAP

PURPOSE	Creates a client-side imagemap
TYPE	Inline
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	AREA or A elements with text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) name = "CDATA" onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<pre> <MAP name = "navigation"> <AREA href = "page1.html shape = "rect" coords = "0,0, 118, 28"> <AREA href = "page2.html" shape = rect coords = "184, 0, 276, 28"> </MAP> </pre>
TIP	Define the map with AREA.

MENU (Deprecated)

PURPOSE	Creates a single-column menu list
TYPE	Block

NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	LI elements, inline elements, and text
ATTRIBUTES	<p>id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL)</p> <p>Transitional DTD (deprecated): compact = "(boolean)" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)</p>
EXAMPLE	<pre><MENU> Item 1 Item 2 Item 3 </MENU></pre>
TIP	Use UL instead.

META

PURPOSE	Sets properties of a document (for example: author, expiration date, a list of key words, and so on)
TYPE	N/A
NESTED WITHIN	BODY
START TAG	Required
END TAG	Forbidden
CONTENT	Empty

ATTRIBUTES	lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) http-equiv = "text" (OPTIONAL) name = "text" (OPTIONAL) content = "CDATA" (OPTIONAL) scheme = "CDATA" (OPTIONAL)
EXAMPLE	<META name = "keywords" content = "Chesapeake Bay, cruising, sailing, marinas">
TIP	A number of content description schemes are under development, but most browsers don't yet recognize them.

NOFRAMES

PURPOSE	Displays text for browsers incapable of displaying frames
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Optional
CONTENT	Block elements, inline elements, and text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<NOFRAMES>Your browser doesn't handle frames. Sorry!</NOFRAMES>
TIP	Be sure to include this element when you create a main frames page. Include links to the pages that would have been displayed by a forms-capable browser.

NOSCRIPT

PURPOSE	Displays text for browsers that don't support scripting
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	Block elements, inline elements, and text
ATTRIBUTES	<code>id = "name"</code> (OPTIONAL) <code>class = "name"</code> (OPTIONAL) <code>style = "style"</code> (OPTIONAL) <code>title = "name"</code> (OPTIONAL) <code>lang = "language"</code> (OPTIONAL) <code>dir = (rtl, ltr)</code> (OPTIONAL)
EXAMPLE	<code><NOSCRIPT>Your browser doesn't handle scripts. Sorry!</NOSCRIPT></code>
TIP	Be sure to include this element when you add a script to your document. Explain what the script does.

OBJECT

PURPOSE	Inserts a type of data not natively supported by the browser, such as a Java applet, script, or font data. For images, use <code>IMG</code> .
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	Contains inline elements and text; cannot contain block elements
ATTRIBUTES:	<code>id = "name"</code> (OPTIONAL) <code>class = "name"</code> (OPTIONAL) <code>style = "style"</code> (OPTIONAL) <code>title = "name"</code> (OPTIONAL) <code>lang = "language"</code> (OPTIONAL) <code>dir = (rtl, ltr)</code> (OPTIONAL) <code>tabindex = "number"</code> (OPTIONAL) <code>classid = "url"</code> (OPTIONAL) <code>codebase = "url"</code> (OPTIONAL)

declare (OPTIONAL)
 data = "url" (OPTIONAL)
 type = "MIME type" (OPTIONAL)
 codetype = "MIMEtype" (OPTIONAL)
 archive = "url" (OPTIONAL)
 standby = "text" (OPTIONAL)
 height = "length" (OPTIONAL)
 width = "length" (OPTIONAL)
 usemap = "url" (OPTIONAL)
 name = "CDATA" (OPTIONAL)
 tabindex = "number" (OPTIONAL)
 border = "pixels" (OPTIONAL)
 hspace = "length" (OPTIONAL)
 vspace = "length" (OPTIONAL)
 align = "(bottom, middle, top, left, right)" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<OBJECT classid = = "stupid.applet.class">
<PARAM name = "whirl" value = "incessantly">
Your browser doesn't support Java.
</OBJECT>

```

TIP

Between the tags, place text that will appear only in browsers that don't support the data type.

OL

PURPOSE	Creates a numbered list
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	LI elements

ATTRIBUTES

Strict DTD:

id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)
lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

Transitional DTD (deprecated):

type = "(disc, square, or circle)" (OPTIONAL)
start = "number" (OPTIONAL)
value = "number" (OPTIONAL)
compact = "(boolean)" (OPTIONAL)

EXAMPLE

```

<OL>
<LI>Item 1
<LI>Item 2
</OL>
  
```

TIP

Define the list style with style sheets.

OPTGROUP**PURPOSE**

In a form, defines a group of items in a drop-down menu created with `SELECT`.

TYPE

Inline

NESTED WITHIN

FORM

START TAG

Required

END TAG

Required

CONTENT

Text

ATTRIBUTES

id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)

lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
disabled (OPTIONAL)
label = "text" (REQUIRED)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<SELECT name = "hull-length">
<OPTGROUP label = "Hull Length">
  <OPTION selected value = "34'">34'
  <OPTION>36'
  <OPTION>40'
</OPTGROUP>
<OPTGROUP label = "Year">
  <OPTION selected value = "1988">1988
  <OPTION>1989
  <OPTION>1990>
</OPTGROUP>
</SELECT>

```

TIP

Define the items to appear in the menu by using **OPTGROUP** and **OPTION**.

OPTION

PURPOSE	In a form, defines an item in a drop-down menu created with SELECT
TYPE	Inline
NESTED WITHIN	FORM
START TAG	Required
END TAG	Optional
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL)

lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
selected (OPTIONAL)
disabled (OPTIONAL)
label = "text" (OPTIONAL)
value = "CDATA" (OPTIONAL)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<SELECT name = "hull-length">
<OPTGROUP label = "Hull Length">
  <OPTION selected value = "34'">34'
  <OPTION>36'
  <OPTION>40'
</OPTGROUP>
<OPTGROUP label = "Year">
  <OPTION selected value = "1988">1988
  <OPTION>1989
  <OPTION>1990>
</OPTGROUP>
</SELECT>

```

TIP

Define the items to appear in the menu by using **OPTGROUP** and **OPTION**.

P

PURPOSE	Defines a paragraph of body text (generally with a blank line above the paragraph)
TYPE	Block
NESTED WITHIN	BODY
START TAG	Required
END TAG	Optional
CONTENT	Contains inline elements and text — cannot contain block elements

ATTRIBUTES

Strict DTD:

id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)
lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

Transitional DTD:

align = (left, center, right, justify) (OPTIONAL)

EXAMPLE

```
<P>This is a text paragraph</P>
```

TIP

For good form, begin each paragraph with `<P>` and close with `</P>`. Do not use `<P>` to enter blank lines.

PARAM**PURPOSE**

Defines run-time settings for an object

TYPE

Inline

NESTED WITHIN

OBJECT

START TAG

Required

END TAG

Forbidden

CONTENT

Empty

ATTRIBUTES:

id = "name" (REQUIRED)
name = "CDATA" (OPTIONAL)
value = "CDATA" (OPTIONAL)
valuetype = "(data, ref, or object)" (OPTIONAL)
type = "MIME type" (OPTIONAL)

EXAMPLE

```

<OBJECT classid = = "stupid.applet.class">
<PARAM name = "whirl" value = "incessantly">
Your browser doesn't support Java.
</OBJECT>

```

TIP

Check the applet's documentation to find out how to set the run-time settings (parameters).

PRE

TYPE	Inline
PURPOSE	Preserves spaces and line breaks as they are typed
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	Contains HTML elements and text (but see the following note)
ATTRIBUTES	width = "number" (OPTIONAL) id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
NOTE	You can't use IMG, OBJECT, BIG, SMALL, SUB, or SUP within a PRE element.
EXAMPLE	<pre><PRE> This text will preserve its bizarre spacing</PRE></pre>
TIP	To align characters correctly, consider using a monospace font.

Q

PURPOSE	Marks an inline quotation
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required

END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) cite = "url" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<code><Q cite = "source.html">Here's a quotation.</Q></code>
TIP	You can use the <code>BLOCKQUOTE</code> element for longer (indented) quotations. If you use <code>Q</code> , don't use quotation marks. They're supplied by the browser in a way that's sensitive to the document's language code.

S (Deprecated)

PURPOSE	Displays text in strikethrough font
TYPE	Inline
NESTED WITHIN	Any <code>BLOCK</code> element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL)

SCRIPT

PURPOSE	Contains a script
TYPE	Inline
NESTED WITHIN	BODY
START TAG	Required
END TAG	Required
CONTENT	A script in a language, such as JavaScript.
ATTRIBUTES:	<p>Strict DTD: type = "MIME type" (REQUIRED) charset = "character set" (OPTIONAL) src = "url" (OPTIONAL) defer = "script" (OPTIONAL)</p> <p>Transitional DTD (deprecated): language = "scripting language" (OPTIONAL)</p>
EXAMPLE	<pre><SCRIPT type = "text/javascript"> <!--hide your script within HTML comment tags --> </SCRIPT></pre>
TIP	Hide your script within comment tags so it won't be displayed by older browsers.

SELECT

PURPOSE	In a form, creates a drop-down menu
TYPE	Inline
NESTED WITHIN	FORM
START TAG	Required
END TAG	Required
CONTENT	OPTGROUP or OPTION elements
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) name = "CDATA" (OPTIONAL) size = "number" (OPTIONAL) multiple (OPTIONAL) disabled (OPTIONAL)

tabindex = "number" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onblur = "script" (OPTIONAL)
 onfocus = "script" (OPTIONAL)
 onchange = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<SELECT name = "hull-length">
<OPTGROUP label = "Hull Length">
  <OPTION selected value = "34'">34'
  <OPTION>36'
  <OPTION>40'
</OPTGROUP>
<OPTGROUP label = "Year">
  <OPTION selected value = "1988">1988
  <OPTION>1989
  <OPTION>1990
</OPTGROUP>
</SELECT>

```

TIP

Define the items to appear in the menu by using `OPTGROUP` and `OPTION`.

SMALL

PURPOSE	Displays text in a small font size
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL)

onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE <SMALL>Use as directed. Call physician if condition persists.</SMALL>

TIP You can use the **BIG** element to render text in a large size.

SPAN

PURPOSE Encloses text within a generic inline element that you can define with style sheets

TYPE Inline

NESTED WITHIN Any **BLOCK** element

START TAG Required

END TAG Required

CONTENT Block elements

ATTRIBUTES id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE Book Title

TIP Use **DIV** to group and define block elements.

STRIKE (Deprecated)

PURPOSE	Displays text in strikethrough font
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	<code>id = "name" (OPTIONAL)</code> <code>class = "name" (OPTIONAL)</code> <code>style = "style" (OPTIONAL)</code> <code>title = "name" (OPTIONAL)</code> <code>lang = "language" (OPTIONAL)</code> <code>dir = (rtl, ltr) (OPTIONAL)</code> <code>onclick = "script" (OPTIONAL)</code> <code>ondblclick = "script" (OPTIONAL)</code> <code>onkeydown = "script" (OPTIONAL)</code> <code>onkeypress = "script" (OPTIONAL)</code> <code>onkeyup = "script" (OPTIONAL)</code> <code>onmousedown = "script" (OPTIONAL)</code> <code>onmousemove = "script" (OPTIONAL)</code> <code>onmouseup = "script" (OPTIONAL)</code>
EXAMPLE	<code><STRIKE>Text in a strikethrough font</STRIKE></code>
TIP	Be careful to close this element properly.

STRONG

PURPOSE	Marks text for emphasis
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	<code>id = "name" (OPTIONAL)</code> <code>class = "name" (OPTIONAL)</code> <code>style = "style" (OPTIONAL)</code> <code>title = "name" (OPTIONAL)</code> <code>lang = "language" (OPTIONAL)</code> <code>dir = (rtl, ltr) (OPTIONAL)</code>

onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE Do this **right now**.

TIP Usually rendered in boldface.

STYLE

TYPE Inline

PURPOSE Defines the style to be associated with an HTML element throughout the document

NESTED WITHIN HEAD

START TAG Required

END TAG Required

CONTENT CDATA (style sheet)

ATTRIBUTES
 type = "CDATA" (REQUIRED)
 media = "screen, tty, tv, projection, handheld, print, braille, aural, all" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)

EXAMPLE

```

<STYLE type = "text/css">
H1 {text-align: center; font-family: Helvetica;
color: red; font-style: italic}
</STYLE>

```

TIP Define the type as text/css.

SUB

PURPOSE Marks text as subscript

TYPE Inline

NESTED WITHIN Any BLOCK element

START TAG Required

END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	Display in <code><SUB>subscript</SUB></code> .
TIP	Be careful to close this element properly.

SUP

PURPOSE	Marks text as superscript
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL)

onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

Display in `^{superscript}`.

TIP

Be careful to close this element properly.

TABLE

PURPOSE	Creates a table
TYPE	Inline
NESTED WITHIN	COLGROUP element
START TAG	Required
END TAG	Required
CONTENT	Table tags and text
ATTRIBUTES	<p>Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) summary = "text" (OPTIONAL) width = "length" (OPTIONAL) border = "pixels" (OPTIONAL) frame = "(void, above, below, hside, lhs, rhs, vside, box, border)" (OPTIONAL) rules = "(none, groups, rows, cols, all)" (OPTIONAL) cellspacing = "length" (OPTIONAL) cellpadding = "length" (OPTIONAL) bgcolor = "color" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)</p>

Transitional DTD (deprecated):
align = "(left, center, right)" (OPTIONAL)

EXAMPLE

```
<TABLE>
<TR>
  <TD>Cell 1
  <TD>Cell 2
</TR>
```

```
</TABLE>
```

TIP

Use the `summary` attribute to specify a brief summary of the table for people using nongraphical browsers.

TBODY**PURPOSE**

Creates a table body that scrolls within a fixed table header (see `THEAD`) and table footer (`TFOOT`)

TYPE

Inline

NESTED WITHIN

`TABLE` element

START TAG

Optional

END TAG

Optional

CONTENT

Table tags and text

ATTRIBUTES

id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)
lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
align = "(left, center, right, justify, char)" (OPTIONAL)
char = "character" (OPTIONAL)
charoff = "length" (OPTIONAL)
valign = "(top, middle, bottom, baseline)" (OPTIONAL)
onclick = "script" (OPTIONAL)
ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

EXAMPLE

```

THEAD>
  <TR>
    <TH>Header 1
    <TH>Header 2
  </TR>
</THEAD>
<TBODY>
  <TR>
    <TD>Item 1
    <TD>Item 2
  </TR>
</TBODY>

```

TIP **Note, THEAD must contain the same number of columns as the table body and THEAD. TFOOT must appear before TBODY.**

TD

PURPOSE **Creates a table cell**

TYPE **Inline**

NESTED WITHIN **TR element**

START TAG **Required**

END TAG **Optional**

CONTENT **Table tags and text**

ATTRIBUTES **Strict DTD:**
id = "name" (OPTIONAL)
class = "name" (OPTIONAL)
style = "style" (OPTIONAL)
title = "name" (OPTIONAL)
lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)
abbr = "header abbreviation" (OPTIONAL)
axis = "text" (OPTIONAL)
headers = "ID list" (OPTIONAL)
scope = "(row, col, rowgroup, colgroup)" (OPTIONAL)
rowspan = "number" (OPTIONAL)
colspan = "number" (OPTIONAL)
align = "(left, center, right, justify, char)" (OPTIONAL)
char = "character" (OPTIONAL)
charoff = "length" (OPTIONAL)
valign = "(top, middle, bottom, baseline)" (OPTIONAL)
bgcolor = "color" (OPTIONAL)

Transitional DTD (deprecated):
 nowrap (OPTIONAL)
 width = "length" (OPTIONAL)
 height = "length" (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE

```
<TR>
  <TD>Cell 1
  <TD>Cell 2
</TR>
```

TIP

You can omit the end tag.

TEXTAREA

PURPOSE	In a form, creates a multiline text entry box
TYPE	Block
NESTED WITHIN	FORM
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) name = "CDATA" (OPTIONAL) rows = "number" (REQUIRED) cols = "number" (REQUIRED) disabled (OPTIONAL) readonly (OPTIONAL) tabindex = "number" (OPTIONAL) accesskey = "character" (OPTIONAL) onclick = "script" (OPTIONAL)

ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onblur = "script" (OPTIONAL)
 onfocus = "script" (OPTIONAL)
 onchange = "script" (OPTIONAL)
 onselect = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE `<TEXTAREA rows = "16 cols = "65" name = "comments">`
`</TEXTAREA>`

TIP Use `<INPUT type = "text">` to create a one-line text box.

TFOOT

PURPOSE Creates a table footer that conforming browsers will prevent from scrolling

TYPE Inline

NESTED WITHIN TR element

START TAG Required

END TAG Optional

CONTENT Table tags and text

ATTRIBUTES
`id = "name" (OPTIONAL)`
`class = "name" (OPTIONAL)`
`style = "style" (OPTIONAL)`
`title = "name" (OPTIONAL)`
`lang = "language" (OPTIONAL)`
`dir = (rtl, ltr) (OPTIONAL)`
`align = "(left, center, right, justify, char)" (OPTIONAL)`
`char = "character" (OPTIONAL)`
`charoff = "length" (OPTIONAL)`
`valign = "(top, middle, bottom, baseline)" (OPTIONAL)`
`onclick = "script" (OPTIONAL)`
`ondblclick = "script" (OPTIONAL)`
`onkeydown = "script" (OPTIONAL)`
`onkeypress = "script" (OPTIONAL)`

onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<TFEET>
  <TR>
    <TH>Header 1
    <TH>Header 2
  </TR>
</THEAD>
<TBDY>
  <TR>
    <TD>Item 1
    <TD>Item 2
  </TR>
</TBDY>

```

TIP

Note, THEAD **must contain the same number of columns as the table body and** THEAD. TFEET **must appear before** TBDY.

TH

PURPOSE	Creates a table header cell
TYPE	Inline
NESTED WITHIN	TR element
START TAG	Required
END TAG	Optional
CONTENT	Table tags and text
ATTRIBUTES	Strict DTD: id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) abbr = "header abbreviation" (OPTIONAL) axis = "text" (OPTIONAL) headers = "ID list" (OPTIONAL) scope = "(row, col, rowgroup, colgroup)" (OPTIONAL) rowspan = "number" (OPTIONAL)

colspan = "number" (OPTIONAL)
align = "(left, center, right, justify, char)" (OPTIONAL)
char = "character" (OPTIONAL)
charoff = "length" (OPTIONAL)
valign = "(top, middle, bottom, baseline)" (OPTIONAL)
bgcolor = "color" (OPTIONAL)

Transitional DTD (deprecated):

nowrap (OPTIONAL)
width = "length" (OPTIONAL)
height = "length" (OPTIONAL)

EXAMPLE

```

<TR>
  <TH>Header 1
  <TH>Header 2
</TR>
<TR>
  <TD>Item 1
  <TD>Item 2
</TR>

```

TIP

You can omit the end tag. Most browsers render the contents of header cells in bold.

THEAD

PURPOSE	Creates a table header that conforming browsers will prevent from scrolling
TYPE	Inline
NESTED WITHIN	TR element
START TAG	Required
END TAG	Optional
CONTENT	Table tags and text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) align = "(left, center, right, justify, char)" (OPTIONAL) char = "character" (OPTIONAL) charoff = "length" (OPTIONAL) valign = "(top, middle, bottom, baseline)" (OPTIONAL) onclick = "script" (OPTIONAL)

ondblclick = "script" (OPTIONAL)
onkeydown = "script" (OPTIONAL)
onkeypress = "script" (OPTIONAL)
onkeyup = "script" (OPTIONAL)
onmousedown = "script" (OPTIONAL)
onmousemove = "script" (OPTIONAL)
onmouseup = "script" (OPTIONAL)
onmouseover = "script" (OPTIONAL)
onmouseout = "script" (OPTIONAL)

EXAMPLE

```

<THEAD>
  <TR>
    <TH>Header 1
    <TH>Header 2
  </TR>
</THEAD>
<TBODY>
  <TR>
    <TD>Item 1
    <TD>Item 2
  </TR>
</TBODY>

```

TIP

Note, THEAD must contain the same number of columns as the table body and TFOOT.

TITLE**PURPOSE**

Enables you to specify title text that appears on the browser's title bar (but not in the document itself)

NESTED WITHIN

HEAD element

START TAG

Required

END TAG

Required

CONTENT

CDATA; entities are permitted but no elements

ATTRIBUTES

lang = "language" (OPTIONAL)
dir = (rtl, ltr) (OPTIONAL)

NOTE

All other elements are excluded. You can't add character formatting (such as boldface) or any other presentation within the TITLE element.

EXAMPLE

```

<TITLE>Sailing the Southern Chesapeake Bay
</TITLE>

```

TIP

Use substantive title words to increase chance of detection by Web search engines.

TR

PURPOSE	Creates a table row
TYPE	Inline
NESTED WITHIN	TABLE element
START TAG	Required
END TAG	Optional
CONTENT	Table tags and text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) align = "(left, center, right, justify, char)" (OPTIONAL) char = "character" (OPTIONAL) charoff = "length" (OPTIONAL) valign = "(top, middle, bottom, baseline)" (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<pre><TR> <TD>Cell 1 <TD>Cell 2 </TR></pre>
TIP	You can omit the end tag.

TT

PURPOSE	Displays text in a monospace font
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required

CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<TT>Text in a large font</TT>
TIP	Usually rendered in a monospace font and indistinguishable from CODE, KBD, SAMP, and VAR.

U (Deprecated)

PURPOSE	Displays text with underlining
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL)

onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

EXAMPLE <U>Underlined</U>

TIP Avoid this element. Users may confuse underlined text with hyperlinks.

UL

PURPOSE Creates a numbered list

TYPE Block

NESTED WITHIN BODY

START TAG Required

END TAG Required

CONTENT LI elements

ATTRIBUTES Strict DTD:
 id = "name" (OPTIONAL)
 class = "name" (OPTIONAL)
 style = "style" (OPTIONAL)
 title = "name" (OPTIONAL)
 lang = "language" (OPTIONAL)
 dir = (rtl, ltr) (OPTIONAL)
 onclick = "script" (OPTIONAL)
 ondblclick = "script" (OPTIONAL)
 onkeydown = "script" (OPTIONAL)
 onkeypress = "script" (OPTIONAL)
 onkeyup = "script" (OPTIONAL)
 onmousedown = "script" (OPTIONAL)
 onmousemove = "script" (OPTIONAL)
 onmouseup = "script" (OPTIONAL)
 onmouseover = "script" (OPTIONAL)
 onmouseout = "script" (OPTIONAL)

Transitional DTD (deprecated):
 type = "(disc, square, or circle)" (OPTIONAL)
 start = "number" (OPTIONAL)
 value = "number" (OPTIONAL)

EXAMPLE
 Item 1
 Item 2

TIP Define the list style with style sheets.

VAR

PURPOSE	Marks text as a variable in a computer program
TYPE	Inline
NESTED WITHIN	Any BLOCK element
START TAG	Required
END TAG	Required
CONTENT	Text
ATTRIBUTES	id = "name" (OPTIONAL) class = "name" (OPTIONAL) style = "style" (OPTIONAL) title = "name" (OPTIONAL) lang = "language" (OPTIONAL) dir = (rtl, ltr) (OPTIONAL) onclick = "script" (OPTIONAL) ondblclick = "script" (OPTIONAL) onkeydown = "script" (OPTIONAL) onkeypress = "script" (OPTIONAL) onkeyup = "script" (OPTIONAL) onmousedown = "script" (OPTIONAL) onmousemove = "script" (OPTIONAL) onmouseup = "script" (OPTIONAL) onmouseover = "script" (OPTIONAL) onmouseout = "script" (OPTIONAL)
EXAMPLE	<code><VAR>x = "19"</VAR></code>
TIP	Usually rendered in a monospace font and indistinguishable from CODE, SAMP, and TT.

Intrinsic Events

Each of the following intrinsic events takes a value that is a script. The script is executed whenever the event occurs for that element. The syntax of script data depends on the scripting language, and is not dependent on one particular language over another.

<code>onload</code>	The onload event occurs when the user agent finishes loading a window or all frames within a FRAMESET.
<code>onunload</code>	The onunload event occurs when the user agent removes a document from a window or frame.

<code>onclick</code>	The <code>onclick</code> event occurs when the pointing device button is clicked over an element.
<code>ondblclick</code>	The <code>ondblclick</code> event occurs when the pointing device button is double clicked over an element.
<code>onmousedown</code>	The <code>onmousedown</code> event occurs when the pointing device button is pressed over an element.
<code>onmouseup</code>	The <code>onmouseup</code> event occurs when the pointing device button is released over an element.
<code>onmouseover</code>	The <code>onmouseover</code> event occurs when the pointing device is moved onto an element.
<code>onmousemove</code>	The <code>onmousemove</code> event occurs when the pointing device is moved while it is over an element.
<code>onmouseout</code>	The <code>onmouseout</code> event occurs when the pointing device is moved away from an element.
<code>onfocus</code>	The <code>onfocus</code> event occurs when an element receives focus by either pointing the mouse or tabbing navigation.
<code>onblur</code>	The <code>onblur</code> event occurs when an element loses focus by either pointing the mouse or by tabbing navigation.
<code>onkeypress</code>	The <code>onkeypress</code> event occurs when a key is pressed and released over an element.
<code>onkeydown</code>	The <code>onkeydown</code> event occurs when a key is pressed down over an element.
<code>onkeyup</code>	The <code>onkeyup</code> event occurs when a key is released over an element.
<code>onsubmit</code>	The <code>onsubmit</code> event occurs when a form is submitted.
<code>onreset</code>	The <code>onreset</code> event occurs when a form is reset.
<code>onselect</code>	The <code>onselect</code> event occurs when a user selects some text in a text field.
<code>onchange</code>	The <code>onchange</code> event occurs when a control loses the input focus and its value is modified since regaining focus.

It is possible to associate a script with one or more events that occur as a result of user interaction through a user agent.

Control elements respond to certain intrinsic events. Some control elements that support intrinsic events are `INPUT`, `SELECT`, `BUTTON`, `TEXTAREA`, and `LABEL`. These elements, when placed outside of a form, may be used to enhance the graphical user interface of a document.

For example, someone writing an HTML page may want to include a button outside of a form that, when pressed, tells the server to process but sends no other data. The typical form-submission button-press is accompanied by form data.

Some elements do not support intrinsic events. Typically these are elements that refer to the document instead of the document content. For example, the `META` element does not support intrinsic elements since it doesn't actually render anything on the user agent's page.

The following example demonstrates the interaction between user interface actions and the script.

```
<INPUT NAME="userID" onBlur="validID(this.value)">
```

The text field *userID* is required in the example above. The user navigating out of the field triggers the `onBlur` event. When this event occurs, the JavaScript function `validID` is called. This function validates the value of the `userID` field:



