

HTML

Quick Reference Card

The Fundamentals

- HTML stands for **HyperText Markup Language** and is used to create web pages.
- HTML uses tags to tell web browsers what appears in the web page and how it should be formatted.
- Some tags require a closing tag that begins with a forward slash (i.e.).
- Some tags may have attributes to provide additional information to the web browser.

Example of HTML

```
<HTML>
<HEAD>
<TITLE>Report on
Snails</TITLE>
<!--These are comments
that will not appear in
the web page-- >
</HEAD>
<BODY>
<H1>Introduction to
Snails</H1>
<P>Snails are any of as
many as 50,000 marine or
```

URLs

- Uniform Resource Locators** specify the location of files on the WWW.
- URLs may include the resource type (http://), server address (www.cnet.com), path (/reviews/), and file name (toshiba.html). For example: http://www.cnet.com/reviews/toshiba.html.

Essential Page Elements

Tag/Attribute	Description	Syntax
Document Type	Beginning and ending of file	<HTML></HTML>
Title	Page title, must be in the header	<TITLE></TITLE>
Header	Descriptive information, such as page title, content, etc.	<HEAD></HEAD>
Body	The bulk of the web page	<BODY></BODY>

Working with Text

Tag/Attribute	Description	Syntax
Base Font Size	Changes default font size from 1 to 7 (3 is the default setting)	<BASEFONT SIZE = num>
Bigger	Increase in font size	<BIG></BIG>
Blinking	Makes text blink on and off	<BLINK></BLINK>
Bold	Boldfaces text	
Citation	Indicates a work cited	<CITE></CITE>
Font Color	Font color in hexadecimal number	FONT COLOR ="#rrggbb">
Font Face	Font type, such as Arial	FONT FACE="face"
Font Size	Font size from 1 to 7	FONT SIZE="n"
Font Size (Points)	Font size in points	
Font Weight	Font weight or boldness	
Italic	Italicizes text	<I></I>
Non-Breaking Space	Non-Breaking Space Character	&NBSP;
Overstrike	Strike through text	<S></S>
Plain Text	Disables tag processing	<PLAINTEXT></PLAINTEXT>
Preformatted Text	Displays text exactly as is	<PRE></PRE>
Quote	Quotations	<Q></Q>
Regular Emphasis	Usually italicizes text	
Sample Output	For literal characters	<SAMP></SAMP>
Smaller	Decrease in font size	<SMALL></SMALL>
Source Code	For computer source code listings	<CODE></CODE>
Strong Emphasis	Usually bolds text	
Subscript	Subscripts text	
Superscript	Superscripts text	
Typewriter Style	Fixed width font	<TT></TT>
Underline	Underlines text	<U></U>

Paragraphs and Divisions

Tag/Attribute	Description	Syntax
Align Text	Aligns paragraphs	<P LEFT CENTER RIGHT JUSTIFIED > </P>
Division	Defines a division	<DIV></DIV>
Headings	Displays the specified hierarchical heading level (1-6)	<H1></H1>...<H6></H6>
Horizontal Rule	Draws a line across the screen	<HR>
HR Rule Alignment	A horizontal rule's alignment	<HR LEFT CENTER RIGHT >
HR Thickness	The line thickness of a HR	<HR SIZE=n> (in pixels)
HR Width	The length of a horizontal rule	<HR WIDTH=n> (in pixels or %)
Line Break	Starts a new line (without any additional spacing)	<LB>
No Break	Prevents line breaks	<NOBR></NOBR>
Paragraph	Starts a new paragraph	<P>
Word Break	Where to break if needed	<WBR>

Lists

Tag/Attribute	Description	Syntax
Compact	Compacted list	COMPACT
Definition List	List of terms and definitions	<DL></DL>
Definition List Item	Item to be defined	<DT>
Definition Text	Definition for the previous item	<DD>
Directory List	List of short items	<DIR></DIR>
List Items	A single item on a list	
Menu	Displays a menu list	<MENU></MENU>
Ordered List	Numbered list	
Numbering Type	(for the entire list)	<OL TYPE=A a i 1 >
Numbering Type	(for this & subsequent items)	<LI TYPE=A a i 1 >
Starting Number	(for the entire list)	<OL START=?>
Starting Number	(for this & subsequent items)	<LI START=?>

Hyperlinks

Tag/Attribute	Description	Syntax
E-mail	Where to send e-mail	MAILTO:email@domain.com
Link to Location	(In the same document)	
Link to Location	(In another document)	
Target Window	Where a new document or web page appear, i.e. in the same window or in a new window	

Forms

Tag/Attribute	Description	Syntax
Checked	Use with check/radio boxes	<INPUT CHECKED>
Define Form	Defines the area of the web page used as a form	<FORM ACTION="url" METHOD=GET POST></FORM>
Field Name	The field name (required)	<INPUT NAME="name">
Field Size	Field size in characters	<INPUT SIZE="n">
Field Value	The field value	<INPUT VALUE="value">
Input Field	Inserts a certain type of input field such as a text box, check box, or button	<INPUT TYPE="TEXT PASSWORD CHECKBOX RADIO FILE BUTTON IMAGE HIDDEN SUBMIT RESET">
List Items	Items in a list or combo box	<SELECT></SELECT>
Max Length	Maximum length in characters	<INPUT MAXLENGTH=?>
Option List	Creates an option list	<OPTION></OPTION>
Prompt	Message in input field	<INPUT PROMPT="text">

Special Characters

Character	Code	Character	Code	Character	Code
<	<	&	&	Non-Breaking Space	
>	>	"	"		

Images

Tag/Attribute	Description	Syntax
Insert Image	The URL of the image to display	
Height	The image height in pixels	
Width	The image width in pixels	
Alternative Text	Displays alternative text	
Border	The image's border size in pixel	
Align	Aligns the image on the page	

Background and Colors

- Colors values in HTML are entered using a hexadecimal code (#rrggbb), which uses numbers (0-9) and letters (A-F).

Tag/Attribute	Description	Syntax
Background Image	Specify an image to use as the background for a web page	<BODY BACKGROUND="image">
Background Color	The background's color	<BODY BGCOLOR=#rrggbb>
Text Color	The default text color	<BODY TEXT=#rrggbb">
Link Color	Color of unvisited links	<BODY LINK=#rrggbb">
Visited Links	Color of visited links	<BODY VLINK=#rrggbb">
Active Link	Color of the currently active link	<BODY ALINK=#rrggbb">
Watermarked Background	Specifies that the background image scrolls with the web page	<BODY BGPARTIES="FIXED">

Cascading Style Sheets (CSS)

- To Redefine an HTML Tag:** Enter the tag and CSS definition, for example: TAG{PROPERTY1,VALUE1,PROPERTY2,VALUE2...}
- To Create a New Tag:** Precede the tag with a period, for example: .TAG{PROPERTY1,VALUE1,PROPERTY2,VALUE2...}
- To Attach a Style Sheet:** Enter the code between the <HEAD></HEAD> tabs using the following syntax: <LINK REL="STYLESHEET" HREF="stylesheet.css">

Tag/Attribute	Values	Tag/Attribute	Values
text-align	left, right center	color	Text color in "#rrggbb"
text-decoration	none, blink, underline, underline, line-through	font-weight	normal, lighter, bold, bolder, 100...900
text-indent	0, number of pixels, %	list-style-image	URL(#image)
text-transform	none, uppercase, lowercase, capitalize	list-style-type	disc, circle, square, decimal, lower-alpha, lower-roman, upper alpha, upper roman
font-family	Table width in pixels or %	background-image	URL(#image)
font-size	number of points or %		
font-style	normal, italic, oblique		

RGB Hexadecimal Color Chart

000000	000033	000066	000099	0000CC	0000FF
003300	003333	003366	003399	0033CC	0033FF
006600	006633	006666	006699	0066CC	0066FF
009900	009933	009966	009999	0099CC	0099FF
00CC00	00CC33	00CC66	00CC99	00CCCC	00CCFF
00FF00	00FF33	00FF66	00FF99	00FFCC	00FFFF
330000	330033	330066	330099	3300CC	3300FF
333300	333333	333366	333399	3333CC	3333FF
336600	336633	336666	336699	3366CC	3366FF
339900	339933	339966	339999	3399CC	3399FF
33CC00	33CC33	33CC66	33CC99	33CCCC	33CCFF
33FF00	33FF33	33FF66	33FF99	33FFCC	33FFFF
660000	660033	660066	660099	6600CC	6600FF
663300	663333	663366	663399	6633CC	6633FF
666600	666633	666666	666699	6666CC	6666FF
669900	669933	669966	669999	6699CC	6699FF
66CC00	66CC33	66CC66	66CC99	66CCCC	66CCFF
66FF00	66FF33	66FF66	66FF99	66FFCC	66FFFF
990000	990033	990066	990099	9900CC	9900FF
993300	993333	993366	993399	9933CC	9933FF
996600	996633	996666	996699	9966CC	9966FF
999900	999933	999966	999999	9999CC	9999FF
99CC00	99CC33	99CC66	99CC99	99CCCC	99CCFF
99FF00	99FF33	99FF66	99FF99	99FFCC	99FFFF
CC0000	CC0033	CC0066	CC0099	CC00CC	CC00FF
CC3300	CC3333	CC3366	CC3399	CC33CC	CC33FF
CC6600	CC6633	CC6666	CC6699	CC66CC	CC66FF
CC9900	CC9933	CC9966	CC9999	CC99CC	CC99FF
CCCC00	CCCC33	CCCC66	CCCC99	CCCCCC	CCCCFF
CCFF00	CCFF33	CCFF66	CCFF99	CCFFCC	CCFFFF
FF0000	FF0033	FF0066	FF0099	FF00CC	FF00FF
FF3300	FF3333	FF3366	FF3399	FF33CC	FF33FF
FF6600	FF6633	FF6666	FF6699	FF66CC	FF66FF
FF9900	FF9933	FF9966	FF9999	FF99CC	FF99FF
FFCC00	FFCC33	FFCC66	FFCC99	FFCCCC	FFCCFF
FFFF00	FFFF33	FFFF66	FFFF99	FFFFCC	FFFFFF

Tables

Tag/Attribute	Description	Syntax
Define Table	Indicates that there is a table	<TABLE></TABLE>
Table Alignment	Alignment of the table on the page	<TABLE ALIGN=LEFT RIGHT CENTER>
Border	The table's border in pixels	<TABLE BORDER=n>
Border Color	The border color	<TABLE BORDERCOLOR=#rrggbb">
Table Width	Table width in pixels or %	<TABLE WIDTH=n>
Row	Items in a table row	<TR></TR>
Cell Alignment	The alignment of text in a cell	<TR ALIGN=LEFT RIGHT CENTER MIDDLE BOTTOM>
Cell Color	The cell's background color	<TD BGCOLOR=#rrggbb">
Cell Padding	Space between cell and text	<TABLE CELLPADDING=n>
Cell Spacing	Amount of space between cells	<TABLE CELLSPACING=n>
Cell Width	Desired cell width pixels or %	<TD WIDTH =n>
Cell No Linebreaks	Specify if text can wrap in a cell	<TD NOWRAP>
Columns to Span	Number of columns a cell spans	<TD ROWSPAN=?>
Rows to Span	Number of rows a cell spans	<TD COLSPAN=?>
Title	The table's caption or title	<CAPTION></CAPTION>

Example of a Table

```
<TABLE WIDTH="85%" BORDER="1" ALIGN="CENTER">
<TR>
<TH>Product</TH>
<TH>Price</TH>
</TR>
<TR>
<TD>Gadgets</TD>
<TD>$5.00</TD>
</TR>
<TR>
<TD>Gizmos</TD>
<TD>$18.00</TD>
</TR>
</TABLE>
```