

### Syntax

```
<!doctype html> <!-- indicates HTML5-->
<html>
  <head>
    <style>
      <div>...</div>
    </style>
    <title> Title </title>
    <nav> nav bar </nav>
    ...etc...
  </head>
  <body>
    <form action="inc/script.php" method="get"> <!--
or "post"-->
    <input type="input-type">
    ...etc...
  </body>
</html>
```

### Basic elements

<!DOCTYPE>	Declare document type, <!DOCTYPE HTML> for HTML5
<html></html>	Entire document
<head></head>	Head of document
<title></title>	Title of document
<nav></nav>	Navigation bar
<body></body>	Body of the document
<article></article>	Article
<section></section>	Defines a section
<aside></aside>	Side block

### Basic elements (cont)

<footer></footer>	Footer
<p></p>	Paragraph
<hr>	Horizontal rule
<span></span>	Defines a section in a document
<!-- comment -->	Insert comments

### Formatting text

<h1> to <h6>	Heading levels
 	Line break
<b>text</b>	Bold
<strong>text</strong>	Bold, but less than <b>
<i>italic</i>	Italics
<em>italic</em>	Emphasis, italics
<blockquote></blockquote>	Quoted text
<sup>super</sup>	Superscript
<sub></sub>	Subscripted
<small></small>	Small text
<style></style>	Style information--CSS
<div></div>	Defines a section
<pre></pre>	Preformatted text

UTF-8 is the default char set for HTML5.

### HTML char set entities

n space tab	&nbsp;	&#8194;
m space tab	&nbsp;	&#8195;
non-breaking space		&#160;
left arrow	&larr;	&#8592;



### HTML char set entities (cont)

up arrow	↑	&#8593;
right arrow	→	&#8594;
down arrow	↓	&#8595;
black spades	♠	&#9824;
black clubs	♣	&#9827;
black hearts	♥	&#9829;
black diamonds	♦	&#9830;
trademark	™	&#8482;
copyright	©	&#169;
right double arrow	»	&#187;
1/4	¼	&#188;
1/2	½	&#189;
3/4	¾	&#190;

More character entities on Dave Child's cheat sheet and [www.w3schools.com](http://www.w3schools.com)

### Tables

<code>&lt;table&gt;&lt;/table&gt;</code>	Defines a table
<code>&lt;th&gt;&lt;/th&gt;</code>	Table header cell
<code>&lt;tr&gt;&lt;/tr&gt;</code>	Table row
<code>&lt;td&gt;&lt;/td&gt;</code>	Table data cell
<code>&lt;caption&gt;&lt;/caption&gt;</code>	Defines table caption

```
<table>
<th> first header text </th><th> second header text
</th>
<tr> <!-- first row -->
<td> first cell text </td><td> second cell text
</td>
</tr>
<tr> <!-- second row -->
<td> first cell text </td><td> second cell text
</td>
</tr>
</table>
```

### Links and media

<code>&lt;img src="dir/file.jpg"&gt;</code>	defines an image
<code>&lt;a href="http://url/..."&gt;link&lt;/a&gt;</code>	hyperlink anchor
<code>&lt;iframe&gt;&lt;/iframe&gt;</code>	inline frame
<code>&lt;object&gt;&lt;/object&gt;</code>	imbeds an object
<code>&lt;video&gt;&lt;/video&gt;</code>	Insert video content
<code>&lt;audio&gt;&lt;/audio&gt;</code>	Insert audio content
<code>&lt;embed&gt;&lt;/embed&gt;</code>	Container for interactive content or external application
<code>&lt;source&gt;&lt;/source&gt;</code>	Multimedia: audio and video

### Ordered list

<code>&lt;ol&gt;&lt;/ol&gt;</code>	Start and end tags	
<code>&lt;li&gt;</code>	List item	
type	Type of numbering	A, a, 1, i, l
start	Starting value	any number

```
<ol> | <ol type="a"> | <ol type="i" start="5">
<li> this
<li> that
</ol>
```

### Unordered list

<code>&lt;ul&gt;&lt;/ul&gt;</code>	Start and end tags	
<code>&lt;li&gt;</code>	List item	
type	Type of bullet	disc, square, circle

```
<ul> | <ul type="circle">
<li> this
<li> that
</ul>
```



### Definition list

`<dl></dl>` Start and end tags

`<dt>` Term

`<dd>` Definition

```
<dl>
<dt>this
<dd>define this
<dt>that
<dd>define that
</dl>
```

### Graphics and forms

### Tags within the HEAD element

`<title>` Title of the page

`<meta>` Meta data

`<link>`

`<style>` Can include CSS or a link to a CSS file

`<base>`

`<script>`

`<noscript>`

### Use of attributes

#### TAG ATTRIBUTES THAT MODIFY THAT TAG

`<head>` align, title, class, style, id

`<body>` text, bgcolor, background, class, style, id, link, alink, vlink

`<p>` align, class, style, id

`<hr>` align, width, size, color, noshade, class, style, id

### General attributes

ATTRIBUTE	DEFINITION	VALUE
align	Horizontally align	right, left, center
valign	Vertically align	top, middle, bottom

### General attributes (cont)

color color name, numeric, RGB, hex

bgcolor Background color name, numeric, RGB, hex

background Background image URL

width Width of image, cells, or tables numeric

height Height of image, cells, or tables numeric

id, class, style Used in CSS CSS defined

text Color of text name, numeric, RGB, hex

link Color of links name, numeric, RGB, hex

alink Color of active links name, numeric, RGB, hex

vlink Color of visited links name, numeric, RGB, hex

noshade Removes default shading

Syntax is usually:

`<tag attribute="value" /tag>`, where *value* must be in quotes.

