

Web Programming Step by Step

HTML5 Tag Syntax Reference

HTML page structure

```
<!DOCTYPE>
<html>
  <head>
    information about the page
  </head>

  <body>
    page contents
  </body>
</html>
```

Tag syntax

```
<element attribute="value" ... attribute="value">
  content
</element>
```

```
<element attribute="value" ... attribute="value" />      <!-- self-closing tag -->
```

Tags used in the head section

Tag	Type	Description
<title> text </title>		page title bar text (in head section)
<meta attribute="value" ... />		page metadata (in head section)
<link href=" url " type=" MIME type " rel=" description " />		links to other files, such as CSS style sheets, favorites icons, etc. (in head section) MIME type is e.g. "text/css" ...
<style type="text/css"> CSS content </style>		CSS style rules embedded in web page (in head section; don't do this. Use link)
<script src=" url " type="text/javascript"></script>		link to JavaScript code (in head section)
<!-- comments -->		comment (can appear in head or body)

Tags used in the body section

Tag	Type	Description
<p> content </p>	block	paragraph
<h1> content </h1>, <h2> content </h2>, ... <h6> content </h6>	block	headings
<hr />	block	horizontal rule (line)
 content 	inline	anchor (link)
description " />	inline	image
 	inline	line break
 content , content 	inline	emphasis (italic) and strong emphasis (bold)

Web Programming Step by Step

<pre> content content nested item nested item </pre>	block	ordered (<code>ol</code>) and unordered (<code>ul</code>) list; list item (<code>li</code>)
<pre><dl> <dt> term 1 </dt> <dd> description 1 </dd> <dt> term 2 </dt> <dd> description 2 </dd> </dl></pre>	block	definition list (<code>dl</code>); term (<code>dt</code>), and its description (<code>dd</code>)
<pre><blockquote> <p> content </p> ... </blockquote></pre>	block	block-level quotation
<pre><q> content </q></pre>	inline	inline-level quotation
<pre><code> content </code></pre>	inline	computer code (monospaced font)
<pre><abbr title="text"> content </code></pre>	inline	abbreviation or acronym
<pre> content </pre>	inline	deleted content (shown as strike-through)
<pre><ins> content </ins></pre>	inline	inserted content (e.g. to replace a <code>del</code>)
<pre><pre> content </pre></pre>	block	pre-formatted text (preserves whitespace)
<pre><table> <caption> text </caption> <tr> <th> heading 1 </th> <th> heading 2 </th> </tr> <tr> <td> cell 1 </td> <td> cell 2 </td> </tr> ... </table></pre>	block	table of data (<code>table</code>); description of table (<code>caption</code>); table row (<code>tr</code>); table heading cell (<code>th</code>); normal table cell (<code>td</code>)
<pre><div> content </div></pre>	block	block-level section of a page
<pre> content </pre>	inline	inline section of a page

Character entities (2.2.4)

Character	Entity
<	<
>	>
&	&
"	"

Web Programming Step by Step

Tags for HTML forms

<pre><form action="url" method="get or post"> content </form></pre>	block	HTML form of data
<pre><input type="type" name="name" ... /></pre>	inline	form input data control; input attributes: <ul style="list-style-type: none"> • type can be text, submit, reset, checkbox, radio, file, hidden • checked="checked" (on a checkbox/radio button to be initially checked) • size="num" • maxlength="num"(how many chars can be typed) • disabled="disabled" • readonly="readonly"
<pre><textarea rows="num" cols="num"> initial text </textarea></pre>	inline	multi-line text input box
<pre><label> content </label></pre>	inline	clickable text label around a form control
<pre><select> <option> content </option> <option> content </option> <optgroup label="text"> <option> content </option> <option> content </option> </optgroup> ... </select></pre>	inline	drop-down selection box (select); each option within the box (option); a labeled group of options (optgroup); select optional attributes: <ul style="list-style-type: none"> • size="num" • multiple="multiple" option optional attributes: <ul style="list-style-type: none"> • selected="selected"
<pre><fieldset> <legend> text </legend> content </fieldset></pre>	block	a grouped set of form fields

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