

Hyper Text Markup Language

HTML Versions

HTML 1.0	۱۹۹۱
HTML 2.0	۱۹۹۵
HTML 3.2	۱۹۹۷
HTML 4	۱۹۹۹
XHTML	۲۰۰۰
HTML5	۲۰۱۴

Properties of HTML

1. Case insensitive
2. Nested tags
3. No error
4. Tag based

Client – Server

Request – Reply

Tags:

تگهای یگانی و دوگانی

<p></p> ,

زبان HTML به دو بخش قسمت میشود: تگهای نمایش اطلاعات، تگهای ورود اطلاعات

Open Notepad, write code, save as .htm or .html, open document with a browser

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>Page Title</title>
```

```
  </head>
```

```
  <body>
```

```
    ...
```

```
  </body>
```

```
</html>
```

Attributes:

```
<tag attribute1="value" attribute2="value">
```

```
1 <h1>headings Big</h1> ... <h6>headings small</h6>
2 <br>
3 &quot;
4 &amp;
5 &lt;
6 &gt;
7 &euro;
8 &nbsp;
9 &copy;
10 &frac12;
11 &frac14;
12 &frac34;
13 &reg;
14 &omega;
15 &trade;
16 <p align="left right center justify" dir="ltr rtl" title="">This is a paragraph.</p>
17 <p>Do not forget to buy <mark>milk</mark> today.</p>
18 <xmp>
19     Code here: <a href="a.htm">test</a>
20 </xmp>
21 <code>
22     &lt;a href="a.htm"&gt;test&lt;/a&gt;
23 </code>
24 <pre>
25         Aa         bb         cc
26 </pre>
27 <tt>Teletype writer</tt>
28 <b>Bold</b>
29 <i>Italic</i>
30 <u>Under Line</u>
31 <s>Strike</s>
32 <a href="https://www.noorit.ir" target="_blank">This is a link</a>
33     _blank - Opens the linked document in a new window or tab
34     _self - Opens the linked document in the same window/tab as it was clicked (default)
35     _parent - Opens the linked document in the parent frame
36     _top - Opens the linked document in the full body of the window
37     framename - Opens the linked document in a named frame
```

```
٣٨ <a href="mailto:kmahdi70@gmail.com">Contact Us</a>
٣٩ 
٤٠ <a href="a.php">
٤١ 
٤٢ </a>
٤٣ <bdo dir="rtl">This line will be written from right to left</bdo>
٤٤ <sub>Sub</sub>
٤٥ <sup>Sup</sup>
٤٦ <font color="" size="" face="titr"></font>
٤٧ <!-- comment -->
٤٨ URL: scheme://prefix.domain:port/path/filename
٤٩ http,https,ftp,file
٥٠ Name: Blue, AliceBlue, AntiqueWhite, Aqua, Aquamarine, Azure, Beige, BlanchedAlmond
٥١ Hex: #RR GG BB (00 ~ FF) #DEB887, #FF7F50 , #00FFFF
٥٢ RGB: rgb(255, 99, 71) , #ff6347
٥٣ RGBA: rgba(255, 99, 71, 0.5)
٥٤ HSL: hsl(9, 100%, 64%)
٥٥ HSLA: hsla(9, 100%, 64%, 0.5)
٥٦ 
٥٧ <map name="workmap">
٥٨ <area shape="rect" coords="34,44,270,350" alt="Computer" href="computer.htm">
٥٩ <area shape="poly" coords="290,172,333,250,290,172" alt="Phone" href="phone.htm">
٦٠ <area shape="circle" coords="337,300,44" alt="Coffee" href="coffee.htm">
٦١ </map>
٦٢ <picture>
٦٣ <source srcset="img_smallflower.jpg" media="(max-width: 600px)">
٦٤ <source srcset="img_flowers.jpg" media="(max-width: 1500px)">
٦٥ <source srcset="flowers.jpg">
٦٦ 
٦٧ </picture>
```

```
78 <picture>
79   <source media="(min-width: 650px)" srcset="img_pink_flowers.jpg">
80   <source media="(min-width: 465px)" srcset="img_white_flower.jpg">
81   
82 </picture>
83 Table, caption, tr, td, th, colspan, rowspan, border, width, cellpadding, cellspacing, colgroup,
84 col, thead, tbody,tfoot
85 <table border="1" width="200" cellpadding="10">
86   <caption>Table Caption</caption>
87   <colgroup>
88     <col span="2" style="background-color:red">
89     <col style="background-color:yellow">
90   </colgroup>
91   <thead>
92     <tr>
93       <th>Test</th>
94     </tr>
95   </thead>
96   <tbody>
97     <tr>
98       <td>Test</td>
99     </tr>
100  </tbody>
101  <tbody> </tbody>
102  <tfoot>
103    <tr>
104      <td colspan="2" rowspan="3">Test</td>
105    </tr>
106  </tfoot>
107 </table>
```

```
98 <ul type="square circle disc">
99 <li>Coffee</li>
100 <li>Tea</li>
101 <li>Milk</li>
102 </ul>
103 <ol type="i I A a 1" start="4">
104 <li>Coffee</li>
105 <li>Tea</li>
106 <li>Milk</li>
107 </ol>
108 <hr align="" color="" noshade size="" width="">
109 <span></span>
110 <a href="a.html#C4">Jump to Chapter 4</a>
111 <h2 id="C4">Chapter 4</h2>
112 <iframe src="URL"></iframe>
113 <iframe src="iframe.htm" name="myframe"></iframe>
114 <a href="a.htm" target="myframe">test iframe</a>
115 <meta charset="UTF-8">
116 <meta http-equiv="X-UA-Compatible" content="IE=edge">
117 <meta name="description" content="Free Web tutorials">
118 <meta name="keywords" content="HTML, CSS, XML, JavaScript">
119 <meta name="author" content="John Doe">
120 <meta http-equiv="refresh" content="30">
121 <meta name="viewport" content="width=device-width, initial-scale=1.0">
122 <head>
123 <base href="https://www.mysite.com/images/" target="_blank">
124 </head>
125 
126 <header> - Defines a header for a document or a section
127 <nav> - Defines a container for navigation links
```

128 <section> - Defines a section in a document

129 <article> - Defines an independent self-contained article

130 <aside> - Defines content aside from the content (like a sidebar)

131 <footer> - Defines a footer for a document or a section

132 <details> - Defines additional details

133 <summary> - Defines a heading for the <details> element

134 <audio controls>

135 <source src="horse.ogg" type="audio/ogg">

136 <source src="horse.mp3" type="audio/mpeg">

137 </audio>

138 <video width="320" height="240" controls>

139 <source src="forrest_gump.mp4" type="video/mp4">

140 <source src="forrest_gump.ogv" type="video/ogg">

141 <track src="subtitles_en.vtt" kind="subtitles" srclang="en" label="English">

142 <track src="subtitles_no.vtt" kind="subtitles" srclang="no" label="Norwegian">

143 </video>

144 <figure>

145

146 <figcaption>Fig.1 - A view of the pulpit rock in Norway.</figcaption>

147 </figure>

148 <menu type="context" id="mymenu">

149 <menuitem label="Refresh" icon="ico_reload.png"></menuitem>

150 <menu label="Share on...">

151 <menuitem label="Twitter" icon="ico_twitter.png"></menuitem>

152 <menuitem label="Facebook" icon="ico_facebook.png"></menuitem>

153 </menu>

154 <menuitem label="Email This Page"></menuitem>

155 </menu>

156 <meter value="2" min="0" max="10">2 out of 10</meter>

157 <meter value="0.6">60%</meter>

```
108 <progress value="22" max="100"></progress>
109 <details>
110 <summary>Copyright 1999-2018.</summary>
111 <p> All Rights Reserved.</p>
112 </details>
113 <fieldset>
114 <legend>Personal information:</legend>    Other Data
115 </fieldset>
116 <object width="400" height="50" data="bookmark.swf"></object>
117 <object width="100%" height="500px" data="snippet.html"></object>
118 <object data="audi.jpeg"></object>
119 <iframe width="420" height="345" src="" scrolling="no"></iframe>
120 <embed width="420" height="315" src="">
121 <svg width="100" height="100">
122 <circle cx="50" cy="50" r="50">
123 </svg>
124 <svg height="30" width="200">
125 <text x="0" y="15" fill="red">I love SVG!</text>
126 </svg>
127 HTTP Status Messages
128 1xx: Information
129 2xx: Successful
130 3xx: Redirection
131 4xx: Client Error
132 5xx: Server Error
133 em    Relative to the font-size of the element 16px = 1em = 100%
134 vw    Relative to 1% of the width of the viewport*
135 vh    Relative to 1% of the height of the viewport*
136 %
137 Px
```

188 Absolute File Path

189 Relative File Path



190

```
191 <marquee align=""
192         bgcolor=""
193         direction="up down left right"
194         scrollamount=""
195         scrolldelay=""
196         behavior="slide | scroll | alternate">
```

197 Text

198 </marquee>

199 <div>

200 something

201 </div>

202 <label for="male">Male</label>

203 <input type="radio id="male">

204 <form

205 method="get post"

206 action=""

207 enctype="multipart/form-data"

208 oninput=""

209 name=""

210 target="">


```
211 <input type="text" name="fn"
212     value=""
213     placeholder=""
214     maxlength="10"
215     minlength="2"
216     title=""
217     id=""
218     class=""
219     tabindex=""
220     autocomplete="on off"
221     onfocus=""
222     onblur=""
223     onclick=""
224     ondblclick=""
225     onkeypress=""
226     onkeydown=""
227     onkeyup=""
228     onchange=""
229     onmouseover=""
230     onmouseout=""
231     readonly
232     autofocus
233     hidden
234     required>
235 <input type="password" value="123" >
236 <input type="color" name="color">
237 <input type="button" value="Print">
238 <input type="url" value="http://www.google.com">
239 <input type="date">
240 <input type="email">
```

```
٢٤١ <input type="file"
٢٤٢     accept="*/.* application/json audio/mpeg image/jpeg video/mp4 text/css" multiple>
٢٤٣ <input type="hidden">
٢٤٤ <input type="image" src="">
٢٤٥ <input type="number" max="" min="" step="">
٢٤٦ <input type="month">
٢٤٧ <input type="range" min="" max="">
٢٤٨ <input type="reset">
٢٤٩ <input type="search">
٢٥٠ <input type="tel">
٢٥١ <input type="time">
٢٥٢ <input type="week">
٢٥٣ <input type="radio" name="sex" value="F" checked>
٢٥٤ <input type="radio" name="sex" value="M">
٢٥٥ <input type="checkbox" checked>
٢٥٦ <input type="datetime-local">
٢٥٧ <select
٢٥٨     name="cars"
٢٥٩     size=""
٢٦٠     multiple
٢٦١     onchange="submit();">
٢٦٢     <optgroup label="Swedish Cars">
٢٦٣         <option value="volvo">Volvo</option>
٢٦٤         <option value="saab">Saab</option>
٢٦٥     </optgroup>
٢٦٦     <optgroup label="German Cars">
٢٦٧         <option value="mercedes">Mercedes</option>
٢٦٨         <option value="audi">Audi</option>
٢٦٩     </optgroup>
٢٧٠ </select>
```

```
271 <textarea
272     rows="10"
273     cols="30"
274     readonly
275     wrap="soft|off|hard">
276     The cat was playing in the garden.
277 </textarea>
278 <input list="browsers">
279 <datalist id="browsers">
280     <option value="Firefox">
281     <option value="Chrome">
282 </datalist>
283 <output name="x"></output>
284 <input type="submit">
285 <input type="submit" formaction="b.php" value="Submit to another page">
286 </form>
287 <input type="text" name="lname" form="form1">
288 <!DOCTYPE html>
289 <html>
290 <frameset rows="25%,*,25%">
291 <frame src="frame_a.htm">
292 <frame src="frame_b.htm">
293 </frameset cols="50%,*">
294     <frame src="frame_a.htm">
295     <frame src="frame_c.htm"
296         name="" noresize
297         scrolling="no|yes|auto">
298 </frameset>
299 </frameset>
300 </html>
```