**HTML**

HTML stands for Hyper Text Markup Language, which is the most widely used language on Web to develop web pages. HTML was created by Berners-Lee in late 1991 but "HTML 2.0" was the first standard HTML specification which was published in 1995. HTML 4.01 was a major version of HTML and it was published in late 1999. Though HTML 4.01 version is widely used but currently we are having HTML-5 version which is an extension to HTML 4.01, and this version was published in 2012.

**What is HTML?**

HTML is the standard markup language for creating Web pages.

* HTML stands for **H**yper **T**ext **M**arkup **L**anguage
* HTML describes the structure of Web pages using markup
* HTML elements are the building blocks of HTML pages
* HTML elements are represented by tags
* HTML tags label pieces of content such as "heading", "paragraph", "table", and so on
* Browsers do not display the HTML tags, but use them to render the content of the page

## HTML Tags

HTML tags are element names surrounded by angle brackets:

**<tagname>content here...</tagname>**

* HTML tags normally come in pairs like <p> and </p>
* The first tag in a pair is the start tag, the second tag is the end tag
* The end tag is written like the start tag, but with a forward slash inserted before the tag name

## The <!DOCTYPE> Declaration

The <!DOCTYPE> declaration represents the document type, and helps browsers to display web pages correctly.

It must only appear once, at the top of the page (before any HTML tags).

The <!DOCTYPE> declaration is not case sensitive.

The <!DOCTYPE> declaration for HTML5 is:

**<!DOCTYPE html>**

**HTML Tags Chart**

To use any of the following HTML tags, simply select the HTML code you'd like and copy and paste it into your web page.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Tag** | **Name** | **Code Example** | **Browser View** | | |
| <!-- | **comment** | **<!--**This can be viewed in the **HTML** part of a document**-->** | Nothing will show | | |
| <a - | **anchor** | **<a href=**"[http://](NULL)www.google.co"> Visit Our Site**</a>** | Visit google | | |
| <b> | **bold** | **<b>**Example**</b>** | **Example** | | |
| <big> | **big (text)** | **<big>**Example**</big>** | Example | | |
| <body> | **body of HTML**  **document** | **<body>**The content of your **HTML** page**</body>** | Contents of your web page | | |
| <br> | **line break** | Keonics**<br>**Hubli | Keonics  Hubli | | |
| <center> | **center** | **<center>**This will center your contents**</center>** | This will center your contents | | |
| <dd> | **definition description** | <dl>  <dt>Definition Term</dt>  **<dd>Definition of the term</dd>**  <dt>Definition Term</dt>  **<dd>Definition of the term</dd>**  </dl> | Definition Term  **Definition of the term**  Definition Term  **Definition of the term** | | |
| <dl> | **definition list** |
| <dt> | **definition term** |
| <em> | **emphasis** | This is an **<em>**Example**</em>** of using the emphasis tag | This is an *Example* of using the emphasis tag | | |
| <font> | **font** | **<font** face="Times New Roman" size="3" color="#ff0000">Example**</font>** | Example | | |
| <form> | **form** | **<form** action="<mailto:you@yourdomain.com> ">  Name: <input name="Name" value="" size="10"><br>  Email: <input name="Email" value="" size="10"><br>  <center><input type="submit"></center>  **</form>** |  | | |
| Name:  Email: |  | (Tip) |
|  |
|  | |
| Submit |
|  | | |
| <h1>  <h2>  <h3>  <h4>  <h5>  <h6> | **heading 1**  **heading 2**  **heading 3**  **heading 4**  **heading 5**  **heading 6** | **<h1>**Heading 1 Example**</h1>**  **<h2>**Heading 2 Example**</h2>**  **<h3>**Heading 3 Example**</h3>**  **<h4>**Heading 4 Example**</h4>**  **<h5>**Heading 5 Example**</h5>**  **<h6>**Heading 6 Example**</h6>** |  | | |
| <hr> | **horizontal rule** | **<hr />** | Contents of your web page  Contents of your web page | | |
| <hr> | **horizontal rule** | **<hr** width="50%" size="3" /> | Contents of your web page  Contents of your web page | | |
| <hr> | **horizonta l rule** | **<hr** width="50%" size="3" noshade /> | Contents of your web page  Contents of your web page | | |
| <hr> (Internet Explorer) | **horizonta l rule** | **<hr** width="75%" color="#ff0000" size="4"  /> | Contents of your web page  Contents of your web page | | |
| <html> | **hypertext markup language** | **<html>**  <head>  <meta>  <title>Title of your web page</title>  </head>  <body>**HTML web page** contents  </body>  **</html>** | Contents of your web page | | |
| <i> | **italic** | **<i>**Example**</i>** | *Example* | | |
| <img> | **image** | **<img** src="Earth.gif" width="41" height="41" border="0" alt="text describing the image" /> | (Tip) | | |

<input> **input**

**field**

<input>

Example 1:

<form method=post action="/cgi- bin/example.cgi">

**<input** type="text" size="10" maxlength="30">

**<input** type="Submit" value="Submit">

</form> Example 2:

<form method=post action="/cgi- bin/example.cgi">

Example 1: (Tip)

Submit

Example 2: (Tip)

(Internet Explorer)

# input field

**<input** type="text" style="color: #ffffff;

font-family: Verdana; font-weight: bold; font- size: 12px; background-color: #72a4d2;" size="10" maxlength="30">

**<input** type="Submit" value="Submit">

</form> Example 3:

<form method=post action="/cgi- bin/example.cgi">

<table border="0" cellspacing="0"

Submit

Example 3: (Tip)

<input> **input**

**field**

<input> **input**

**field**

<input> **input**

**field**

cellpadding="2"><tr><td bgcolor="#8463ff"><input type="text" size="10" maxlength="30"></td><td bgcolor="#8463ff" valign="Middle"> <input type="image" name="submit" src="yourimage.gif"></td></tr> </table>

</form> Example 4:

<form method=post action="/cgi- bin/example.cgi">

Enter Your Comments:<br>

<textarea wrap="virtual" name="Comments" rows=3 cols=20 maxlength=100></textarea><br>

**<input** type="Submit" value="Submit">

**<input** type="Reset" value="Clear">

</form> Example 5:

<form method=post action="/cgi- bin/example.cgi">

<center>

Select an option:

<select>

<option >option 1</option>

<option selected>option 2</option>

<option>option 3</option>

<option>option 4</option>

<option>option 5</option>

<option>option 6</option>

</select><br>

**<input** type="Submit" value="Submit"></center>

</form>

Example 4: (Tip)

Submit Clear

Example 5: Tip) Select an option:

Submit

option 2

<input> **input**



**field**

Example 6: Example 6: (Tip)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | <form method=post action="/cgi- bin/example.cgi">  Select an option:<br>  **<input** type="radio" name="option"> Option 1  **<input** type="radio" name="option" checked> Option 2  **<input** type="radio" name="option"> Option 3  <br>  <br>  Select an option:<br>  **<input** type="checkbox" name="selection"> Selection 1  **<input** type="checkbox" name="selection" checked> Selection 2  **<input** type="checkbox" name="selection"> Selection 3  **<input** type="Submit" value="Submit">  </form> | Select an option: Option 1  Option 2  Option 3 Select an option:  Selection 1  Selection 2  Selection 3 | |
| Submit |  |
|  | |
|  |  | Example 1: | Example 1: (Tip) | |
|  |  | <menu>  **<li** type="disc">List item 1**</li>**  **<li** type="circle">List item 2**</li>**  **<li** type="square">List item 3**</li>**  </MENU> | * **List item 1**   o **List item 2**   * **List item 3** | |
| <li> | **list item** | Example 2: | Example 2: | |
|  |  | <ol type="i">  **<li>**List item 1**</li>**  **<li>**List item 2**</li>**  **<li>**List item 3**</li>**  **<li>**List item 4**</li>**  </ol> | 1. **List item 1** 2. **List item 2** 3. **List item 3** 4. **List item 4** | |
| <link> | **link** | <head>  <link rel="stylesheet" type="text/css" href="style.css" />  </head> |  | |
| <marquee  >  (Internet Explorer) | **scrolling text** | **<marquee** bgcolor="#cccccc" loop="-1" scrollamount="2" width="100%">Example Marquee**</marquee>** | (Tip) | |
| <menu> | **menu** | **<menu>**  <li type="disc">List item 1</li>  <li type="circle">List item 2</li>  <li type="square">List item 3</li>  **</menu>** | * List item 1   o List item 2   * List item 3 | |
| <meta> | **meta** | **<meta** name="Description" content="Description of your site">  **<meta** name="keywords" content="keywords describing your site"> | Nothing will show (Tip) | |
| <meta> | **meta** | **<meta** HTTP-EQUIV="Refresh" CONTENT="4;URL=[http://www.yourdomain.c](http://www.yourdomain.c/) om/"> | Nothing will show (Tip) | |



|  |  |  |  |
| --- | --- | --- | --- |
| <meta> | **meta** | **<meta** http-equiv="Pragma" content="no- cache"> | Nothing will show (Tip) |
| <meta> | **meta** | **<meta** name="rating" content="General"> | Nothing will show (Tip) |
| <meta> | **meta** | **<meta** name="robots" content="all"> | Nothing will show (Tip) |
| <meta> | **meta** | **<meta** name="robots" content="noindex,follow"> | Nothing will show (Tip) |
|  |  | **Numbered** | **Numbered**   1. List item 1 2. List item 2 3. List item 3 4. List item 4   **Numbered Special Start**   1. List item 1 2. List item 2 3. List item 3 4. List item 4   **Lowercase Letters**   * 1. List item 1   2. List item 2   3. List item 3   4. List item 4   **Capital Letters**   * + 1. List item 1     2. List item 2     3. List item 3     4. List item 4   **Capital Letters Special Start**   1. List item 1 2. List item 2 3. List item 3 4. List item 4   **Lowercase Roman Numerals**   1. List item 1 2. List item 2 3. List item 3 4. List item 4   **Capital Roman Numerals**   * 1. List item 1   2. List item 2   3. List item 3   4. List item 4 |
|  |  | **<ol>**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |
|  |  | **Numbered Special Start** |
|  |  | **<ol start="5">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |
|  |  | **Lowercase Letters** |
|  |  | **<ol type="a">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |
| <ol> | **ordered list** | **Capital Letters** |
|  |  | **<ol type="A">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |
|  |  | **Capital Letters Special Start** |
|  |  | **<ol type="A" start="3">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |
|  |  | **Lowercase Roman Numerals** |
|  |  | **<ol type="i">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | **Capital Roman Numerals**  **<ol type="I">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>**  **Capital Roman Numerals Special Start**  **<ol type="I" start="7">**  <li>List item 1</li>  <li>List item 2</li>  <li>List item 3</li>  <li>List item 4</li>  **</ol>** | **Capital Roman Numerals Special Start**   1. List item 1 2. List item 2 3. List item 3 4. List item 4 | | |
| <option> | **listbox option** | <form method=post action="/cgi- bin/example.cgi">  <center>  Select an option:  <select>  **<option>**option 1**</option>**  **<option selected>**option 2**</option>**  **<option>**option 3**</option>**  **<option>**option 4**</option>**  **<option>**option 5**</option>**  **<option>**option 6**</option>**  </select><br>  </center>  </form> | Select an option: (Tip) | | |
|  | option 2 |  |
|  | | |
| <p> | **paragrap h** | This is an example displaying the use of the paragraph tag. <p> This will create a line break and a space between lines.  Attributes: Example 1:<br>  <br>  **<p align="left">**  This is an example<br> displaying the use<br>  of the paragraph tag.<br>  <br>  Example 2:<br>  <br>  **<p align="right">** This is an example<br> displaying the use<br>  of the paragraph tag.<br>  <br>  Example 3:<br>  <br>  **<p align="center">** This is an example<br> displaying the use<br> of the paragraph tag. | This is an example displaying the use of the paragraph tag.  This will create a line break and a space between lines.  Attributes:  Example 1:  This is an example displaying the use  of the paragraph tag.  Example 2:  This is an example displaying the use  of the paragraph tag.  Example 3:  This is an example displaying the use  of the paragraph tag. | | |
| <small> | **small (text)** | **<small>**Example**</small>** | Example (Tip) | | |



|  |  |  |  |
| --- | --- | --- | --- |
| <strike> | **deleted text** | **<strike>**Example**</strike>** | ~~Example~~ |
| <strong> | **strong emphasis** | **<strong>**Example**</strong>** | **Example** |
|  |  | Example 1: | Example 1: (Tip)  Column 1 Column 2  Example 2: (Tip)  Column 1 Column 2  Example 3: (Tip)  Column 1 Column 2 Row 2 Row 2 |
|  |  | **<table border=**"4" cellpadding="2" cellspacing="2" width="100%">  <tr>  <td>Column 1</td>  <td>Column 2</td>  </tr>  **</table>** |
|  |  | Example 2: (Internet Explorer) |
| <table> | **table** | **<table border=**"2" bordercolor="#336699" cellpadding="2" cellspacing="2" width="100%">  <tr>  <td>Column 1</td>  <td>Column 2</td>  </tr>  **</table>** |
|  |  | Example 3: |
|  |  | **<table cellpadding=**"2" cellspacing="2" width="100%">  <tr>  <td bgcolor="#cccccc">Column 1</td>  <td bgcolor="#cccccc">Column 2</td>  </tr>  <tr>  <td>Row 2</td>  <td>Row 2</td>  </tr>  **</table>** |
| <td> | **table data** | <table border="2" cellpadding="2" cellspacing="2" width="100%">  <tr>  **<td>Column 1</td>**  **<td>Column 2</td>**  </tr>  </table> | **Column 1 Column 2** |
| <th> | **table header** | <div align="center">  <table>  <tr>  **<th>Column 1</th>**  **<th>Column 2</th>**  **<th>Column 3</th>**  </tr>  <tr>  <td>Row 2</td>  <td>Row 2</td>  <td>Row 2</td>  </tr>  <tr>  <td>Row 3</td>  <td>Row 3</td>  <td>Row 3</td> | **Colum Colum Colum n 1 n 2 n 3**  Row 2 Row 2 Row 2  Row 3 Row 3 Row 3  Row 4 Row 4 Row 4 |

|  |  |  |  |
| --- | --- | --- | --- |
|  |  | </tr>  <tr>  <td>Row 4</td>  <td>Row 4</td>  <td>Row 4</td>  </tr>  </table>  </div> |  |
| <title> | **documen t title** | **<title>**Title of your **HTML page</title>** | Title of your web page will be viewable in the title bar.(Tip) |
| <tr> | **table row** | <table border="2" cellpadding="2" cellspacing="2" width="100%">  **<tr>**  <td>Column 1</td>  <td>Column 2</td>  **</tr>**  </table> | **Column 1 Column 2** |
| <tt> | **teletype** | **<tt>**Example**</tt>** | Example |
| <u> | **underline** | <u>Example</u> | Example |
| <ul> | **unordere d list** | Example 1:<br>  <br>  **<ul>**  <li>List item 1</li>  <li>List item 2</li>  **</ul>**  <br>  Example 2:<br>  **<ul type="disc">**  <li>List item 1</li>  <li>List item 2</li>  **<ul type="circle">**  <li>List item 3</li>  <li>List item 4</li>  **</ul>**  **</ul>** | Example 1:   * List item 1 * List item 2   Example 2:   * List item 1 * List item 2   + List item 3   + List item 4 |