HTML

1. Introduction to HTML
2. Getting started with HTML
3. HTML Elements
4. HTML Attributes
5. HTML Links
6. HTML Images
7. HTML comments
8. HTML tables
9. HTML forms
10. HTML Images
11. HTML IFrames
12. HTML Entities
13. Introduction to HTML
14. Getting started with HTML
15. HTML elements

Every web page contains HTML elements. HTML has over 100 tags.

<!doctype html>

<html>

<head>

<title>Document</title>

</head>

<body>

</body>

</html>

Upper case/Lower Case

Optional tags

1. HTML attributes

HTML attributes can be added to HTML elements to provide further information about that element.

<a href="https://www.lara.com" title="training center>Lara Training Center</a>

<tr style=”” class=”” title=””>

1. HTML Links

HREF:

<a href="http://laratechnology.com/" title="training center>Lara Training Center</a>

Targets:

<!DOCTYPE html>

<title>HTML Example</title>

|  |  |
| --- | --- |
| \_blank | Opens the URL in a new browser window. |
| \_self | Loads the URL in the current browser window. |
| \_parent | Loads the URL into the parent frame (still within the current browser window). This is only applicable when using frames. |
| \_top | Loads the URL in the current browser window, but cancelling out any frames. Therefore, if frames were being used, they aren't any longer. |

<a href=" http://laratechnology.com/" " target="\_blank">Lara Tech</a>

Email Links:

<a href="mailto:lara@laratech.com">Lara tech</a>

<a href="mailto: lara@laratech.com?subject=Question&body=Hey there">Lara Tech</a>

1. **HTML Images**

<!DOCTYPE html>

<title>Image Example</title>

|  |  |
| --- | --- |
| src | Required attribute. This is the path to the image. It can be either an absolute path, or a relative path (remember these terms from our last lesson?) |
| width | Optional attribute. This specifies the width to display the image. If the actual image is wider, it will shrink to the dimensions you specify here. Likewise, if the actual image is smaller it will expand to your dimensions. |
| height | Optional attribute. This specifies the height to display the image. This attribute works similar to the width. |
| alt | Alternate text. This specifies text to be used in case the browser/user agent can't render the image. |

<img src="C:\download.png" width="166" height="101" alt="Photo">

Image dimension using CSS

<img src="C:\download.png" style="max-width:100%" alt="Photo">

Image Links

<a href="http://laratechnology.com/">

<img src=" C:\download.png" style="max-width:100%;" alt="Logo">

</a>

1. HTML comments

<!-- Write your comment here -->

1. **HTML Tables**

Simple Table

<!DOCTYPE html>

<title>HTML Example</title>

<table>

<tr>

<th>Table Header</th>

<th>Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

Table Border

<!DOCTYPE html>

<html>

<head>

<title>Table Example</title>

<style>

table, th, td {

border: 1px solid orange;

}

</style>

</head>

<body>

<table>

<tr>

<th>Table Header</th>

<th>Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

Border Collapse:

<!DOCTYPE html>

<html>

<head>

<title>Table Example</title>

<style>

table {

border-collapse: collapse;

}

th, td {

border: 1px solid orange;

}

</style>

</head>

<body>

<table>

<tr>

<th>Table Header</th>

<th>Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

Cell Padding:

<!DOCTYPE html>

<html>

<head>

<title>Table Example</title>

<style>

table {

border-collapse: collapse;

}

th, td {

border: 1px solid orange;

padding: 10px;

}

</style>

</head>

<body>

<table>

<tr>

<th>Table Header</th>

<th>Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

Table Width:

<!DOCTYPE html>

<html>

<head>

<title>Table Example</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid orange;

padding: 10px;

}

</style>

</head>

<body>

<table>

<tr>

<th>Table Header</th>

<th>Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

Column Span:

<!DOCTYPE html>

<html>

<head>

<title>HTML Example</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid #ccc;

padding: 10px;

}

</style>

</head>

<body>

<table>

<tr>

<th colspan="2">Table Header</th>

<th>Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

Row Span:

<!DOCTYPE html>

<html>

<head>

<title>HTML Example</title>

<style>

table {

border-collapse: collapse;

width: 100%;

}

th, td {

border: 1px solid #ccc;

padding: 10px;

}

</style>

</head>

<body>

<table>

<tr>

<th rowspan="4">Table Header</th>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

</tr>

<tr>

<td>Table cell</td>

<td>Table cell</td>

</tr>

</table>

</body>

</html>

1. **HTML Forms**

Input textbox

<!DOCTYPE html>

<title>HTML Example</title>

<form>

First name: <input type="text" name="firstname">

Last name: <input type="text" name="lastname">

</form>

Radio Button

<form>

<input type="radio" name="lunch" value="South"> South

<input type="radio" name="lunch" value="North"> North

</form>

Check Box:

<input type="checkbox" name="technology" value="HTML"> I know HTML

<input type="checkbox" name="technology" value="CSS"> I know CSS

Submit

<input type="checkbox" name="technology" value="HTML"> I know HTML

<input type="checkbox" name="technology" value="CSS"> I know CSS

<input type="submit">

Select List:

<select>

<option value="Bangalore"> Bangalore City </option>

<option value="Chennai"> Chennai City </option>

<option value="Hyderabad"> Hyderabad City </option>

<option value="Delhi"> Delhi City </option>

</select>

Text Area:

<form>

<textarea maxlength="100" rows="5" cols="30">Enter comments here.</textarea>

</form>

Form Action and method:

<form action=”/lara” method=”get/post”>

<!—All input elements should go here ---->

</form>

1. **HTML IFrame:**

An iframe is used to display a web page within a web page.

<iframe src="demo.html" height="200" width="300"></iframe>

1. **HTML Entities**

<!DOCTYPE html>

<title>Character Set Example</title>

<style>

td:last-child { font-size: 3em; }

tr:first-child td:last-child { font-size: 1em; }

th { text-align: left; font-weight: normal; }

</style>

<table>

<tr>

<th>Unicode Character Name:

<td>COPYRIGHT SIGN

<tr>

<th>Hexadecimal:

<td>&#x000A9;

<tr>

<th>Decimal:

<td>&#169;

<tr>

<th>HTML5 Named Entity:

<td>&copy;

<tr>

<th>HTML5 Named Entity:

<td>&COPY;

</table>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Character | Entity | Hexadecimal | Decimal | Name |
| © | &copy; &COPY; | &#x000A9; | &#169; | COPYRIGHT SIGN |
| ® | &reg; &circledR; &REG; | &#x000AE; | &#174; | REGISTERED SIGN |
| ™ | &trade; &TRADE; | &#x02122; | &#8482; | TRADE MARK SIGN |
| > | &gt; &GT; | &#x0003E; | &#62; | GREATER-THAN SIGN |
| < | &lt; &LT; | &#x0003C; | &#60; | LESS-THAN SIGN |
| ; | &semi; | &#x0003B; | &#59; | SEMICOLON |
| & | &amp; &AMP; | &#x00026; | &#38; | AMPERSAND |
| " | &quot; &QUOT; | &#x00022; | &#34; | QUOTATION MARK |
| # | &num; | &#x00023; | &#35; | NUMBER SIGN |
| ★ | &starf; &bigstar; | &#x02605; | &#9733; | BLACK STAR |
| ☆ | &star; | &#x02606; | &#9734; | WHITE STAR |
| ✂ |  | &#x02702; | &#9986; | BLACK SCISSORS |
| ✓ | &check; &checkmark; | &#x02713; | &#10003; | CHECK MARK |
| ✗ | &cross; | &#x02717; | &#10007; | BALLOT X |
| ✩ |  | &#x02729; | &#10025; | STRESS OUTLINED WHITE STAR |
| ✪ |  | &#x0272A; | &#10026; | CIRCLED WHITE STAR |
| ❞ |  | &#x0275E; | &#10078; | HEAVY DOUBLE COMMA QUOTATION MARK ORNAMENT |
| ❤ |  | &#x02764; | &#10084; | HEAVY BLACK HEART |
| ← | &larr; &leftarrow; &LeftArrow; &slarr; &ShortLeftArrow; | &#x02190; | &#8592; | LEFTWARDS ARROW |
| ↑ | &uarr; &uparrow; &UpArrow; &ShortUpArrow; | &#x02191; | &#8593; | UPWARDS ARROW |
| → | &rarr; &rightarrow; &RightArrow; &srarr; &ShortRightArrow; | &#x02192; | &#8594; | RIGHTWARDS ARROW |
| ↓ | &darr; &downarrow; &DownArrow; &ShortDownArrow; | &#x02193; | &#8595; | DOWNWARDS ARROW |
| € | &euro; | &#x020AC; | &#8364; | EURO SIGN |
| ▶ |  | &#x025B6; | &#9654; | BLACK RIGHT-POINTING TRIANGLE |
| ▽ | &xdtri; &bigtriangledown; | &#x025BD; | &#9661; | WHITE DOWN-POINTING TRIANGLE |
| ◉ |  | &#x025C9; | &#9673; | FISHEYE |
| ∑ | &sum; &Sum; | &#x02211; | &#8721; | N-ARY SUMMATION |
| ℹ |  | &#x02139; | &#8505; | INFORMATION SOURCE |
| № | &numero; | &#x02116; | &#8470; | NUMERO SIGN |
| ℗ | &copysr; | &#x02117; | &#8471; | SOUND RECORDING COPYRIGHT |
| ℃ |  | &#x02103; | &#8451; | DEGREE CELSIUS |
| ℉ |  | &#x02109; | &#8457; | DEGREE FAHRENHEIT |