**Tables in HTML**

A table in HTML is built out of rows and columns.

**Start/End the** Table - Unsurprisingly, we start and end a table with a <table> and </table> tags.

**Start/End New** Row - We start and end each row with <tr> and </tr>.

**Adding Elements to a Row**

* Use <th> and </th> to add a table Header element, usually used only in the first row of a table. These cells will be bolded and centered automatically with <th>
* Use <td> and </td> to add a table data element. Each time you use <td> you are moving over one column. This data will be left aligned and unbolded.

Example:

|  |  |  |
| --- | --- | --- |
| First Name | Last Name | Grade |
| Bill | Dixon | 12 |
| Abby | Townsend | 10 |

<table>

<tr> <th>First Name </th> <th> Last Name </th> <th> Grade</th> </tr>

<tr> <td> Bill </td> <td> Dixon </td> <td> 12 </td> </tr>

<tr> <td> Abby </td> <td> Townsend </td> <td> 10 </td> </tr>

</table>

**Extra <table> Formats** - These are all used inside the <table> tag

|  |  |
| --- | --- |
| **Code** | **Purpose** |
| style="width:100%" | determine how much of the browser will be used to display the table (horizontally) |
| border = "1" | Creates a border around the table cells. Changing the number changes the border style. |
| bgcolor = "red" | This will change the background or fill color of the table |
| bordercolor = "green" | This will change the color of the border lines of the table |
| align = "center" | This will center the table horizontally on the page |
| cellpadding = "5" | This will give a 5 pixel buffer on every side of every cell. |
| height= "200" | Specifies how tall the table will be (in pixels) |
| width = "300" | Specifies how wide the table will be (in pixels) |

**Extra <td> Formats** - These can be used inside the <td> tag to change the formatting of that cell in the table

|  |  |
| --- | --- |
| Tag | Purpose |
| <td colspan="2"> | Merges two cell together(horizontally). Can extend more than 2 if needed. |
| <td rowspan = "2"> | Merges two cells together vertically. Can extend more than 2, if needed. |
| align = "right" | That cell's contents will be right aligned. Can also use *left* or *center*. |
| bgcolor = "yellow" | Changes that cells background color |
| valign = "top" | Contents will be vertically aligned at top of the cell. *middle* and *bottom* work. |

Example # 1 - In this example, we have a table that uses the rowspan td property, which causes

