# HTML Tables

## Tables

Tables are defined with the <table> tag. A table is divided into rows (with the <tr> tag), and each row is divided into data cells (with the <td> tag). The letters td stands for "table data," which is the content of a data cell. A data cell can contain text, images, lists, paragraphs, forms, horizontal rules, tables, etc.

|  |
| --- |
| <table border="1"><tr><td>row 1, cell 1</td><td>row 1, cell 2</td></tr><tr><td>row 2, cell 1</td><td>row 2, cell 2</td></tr></table> |

How it looks in a browser:

|  |  |
| --- | --- |
| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 | row 2, cell 2 |

## Tables and the Border Attribute

If you do not specify a border attribute the table will be displayed without any borders. Sometimes this can be useful, but most of the time, you want the borders to show.

To display a table with borders, you will have to use the border attribute:

|  |
| --- |
| <table border="1"><tr><td>Row 1, cell 1</td><td>Row 1, cell 2</td></tr></table> |

## Headings in a Table

Headings in a table are defined with the <th> tag.

|  |
| --- |
| <table border="1"><tr><th>Heading</th><th>Another Heading</th></tr><tr><td>row 1, cell 1</td><td>row 1, cell 2</td></tr><tr><td>row 2, cell 1</td><td>row 2, cell 2</td></tr></table> |

How it looks in a browser:

|  |  |
| --- | --- |
| **Heading** | **Another Heading** |
| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 | row 2, cell 2 |

## Empty Cells in a Table

Table cells with no content are not displayed very well in most browsers.

|  |
| --- |
| <table border="1"><tr><td>row 1, cell 1</td><td>row 1, cell 2</td></tr><tr><td>row 2, cell 1</td><td></td></tr></table> |

How it looks in a browser:

|  |  |
| --- | --- |
| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 |  |

Note that the borders around the empty table cell are missing (NB! Mozilla Firefox displays the border).

To avoid this, add a non-breaking space (&nbsp;) to empty data cells, to make the borders visible:

|  |
| --- |
| <table border="1"><tr><td>row 1, cell 1</td><td>row 1, cell 2</td></tr><tr><td>row 2, cell 1</td><td>&nbsp;</td></tr></table> |

How it looks in a browser:

|  |  |
| --- | --- |
| row 1, cell 1 | row 1, cell 2 |
| row 2, cell 1 |   |

****

**<!-- table for heading ->**

*<table width="100%" border="1">*

 *<tr>*

 *<td width="100%" align="center" valign="middle" colspan="3">*

 *<h1>*A Heading*</h1>*

 *</td>*

 *</tr>*

*</table>*

**<!-- main table for body ->**

*<table width="100%" border="1">*

 *<tr>*

 *<td align="center" width="25%">Link 1</td>*

*<td width="50%" leftmargin="5" rowspan="4">*The TABLE tag was introduced for displaying content in a tabular format. However, web developers soon discovered a hidden gem. They started utilising this tag for page layout, placing various objects in table cells to achieve a holistic page design.*</td>*

 *<td align="center" valign="center" width="25%" rowspan="4">*A picture*</td>*

 *</tr>*

 *<tr>*

 *<td width="25%" align="center">*Link 2*</td>*

 *</tr>*

 *<tr>*

 *<td width="25%" align="center">*Link 3*</td>*

 *</tr>*

 *<tr>*

 *<td width="25%" align="center">*Link 4*</td>*

 *</tr>*

*</table>*

**<!-- table for footer ->**

*<table border="1">*

 *<p>*

*</table>*

*<table width="100%">*

 *<tr>*

 *<td align="center" colspan="3">*

 Link 1 | Link 2 | Link 3 | Link 4

 *</td>*

 *</tr>*

*</table>*

****