**HTML - Tables**

The HTML tables allow web authors to arrange data like text, images, links, other tables, etc. into rows and columns of cells.

The HTML tables are created using the **<table>** tag in which the **<tr>** tag is used to create table rows and **<td>** tag is used to create data cells. The elements under <td> are regular and left aligned by default

Example

[Live Demo](http://tpcg.io/mZMibe)

<!DOCTYPE html>

<html>

<head>

<title>HTML Tables</title>

</head>

<body>

<table border = "1">

<tr>

<td>Row 1, Column 1</td>

<td>Row 1, Column 2</td>

</tr>

<tr>

<td>Row 2, Column 1</td>

<td>Row 2, Column 2</td>

</tr>

</table>

</body>

</html>

This will produce the following result −

Here, the **border** is an attribute of <table> tag and it is used to put a border across all the cells. If you do not need a border, then you can use border = "0".

Table Heading

Table heading can be defined using **<th>** tag. This tag will be put to replace <td> tag, which is used to represent actual data cell. Normally you will put your top row as table heading as shown below, otherwise you can use <th> element in any row. Headings, which are defined in <th> tag are centered and bold by default.

Example

[Live Demo](http://tpcg.io/7LeM8F)

<!DOCTYPE html>

<html>

<head>

<title>HTML Table Header</title>

</head>

<body>

<table border = "1">

<tr>

<th>Name</th>

<th>Salary</th>

</tr>

<tr>

<td>Ramesh Raman</td>

<td>5000</td>

</tr>

<tr>

<td>Shabbir Hussein</td>

<td>7000</td>

</tr>

</table>

</body>

</html>

This will produce the following result −

**Cellpadding and Cellspacing Attributes**

There are two attributes called *cellpadding* and *cellspacing* which you will use to adjust the white space in your table cells. The cellspacing attribute defines space between table cells, while cellpadding represents the distance between cell borders and the content within a cell.

Example

[Live Demo](http://tpcg.io/P5QBh7)

<!DOCTYPE html>

<html>

<head>

<title>HTML Table Cellpadding</title>

</head>

<body>

<table border = "1" cellpadding = "5" cellspacing = "5">

<tr>

<th>Name</th>

<th>Salary</th>

</tr>

<tr>

<td>Ramesh Raman</td>

<td>5000</td>

</tr>

<tr>

<td>Shabbir Hussein</td>

<td>7000</td>

</tr>

</table>

</body>

</html>

This will produce the following result −

**Colspan and Rowspan Attributes**

You will use **colspan** attribute if you want to merge two or more columns into a single column. Similar way you will use **rowspan** if you want to merge two or more rows.

Example

[Live Demo](http://tpcg.io/ltvfv5)

<!DOCTYPE html>

<html>

<head>

<title>HTML Table Colspan/Rowspan</title>

</head>

<body>

<table border = "1">

<tr>

<th>Column 1</th>

<th>Column 2</th>

<th>Column 3</th>

</tr>

<tr>

<td rowspan = "2">Row 1 Cell 1</td>

<td>Row 1 Cell 2</td>

<td>Row 1 Cell 3</td>

</tr>

<tr>

<td>Row 2 Cell 2</td>

<td>Row 2 Cell 3</td>

</tr>

<tr>

<td colspan = "3">Row 3 Cell 1</td>

</tr>

</table>

</body>

</html>

This will produce the following result −