### 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 tag in which the **>** tag is used to create table rows and tag is used to create data cells. The elements under are regular and left aligned by default

### Example

```
Live Demo
<!DOCTYPE html>
<html>
  <head>
    <title>HTML Tables</title>
  </head>
  <body>
    Row 1, Column 1
        Row 1, Column 2
      Row 2, Column 1
        Row 2, Column 2
      </body>
</html>
```

This will produce the following result -

```
Row 1, Column 1 Row 1, Column 2 Row 2, Column 1 Row 2, Column 2
```

Here, the **border** is an attribute of 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 **>** tag. This tag will be put to replace **>** 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 **>** element in any row. Headings, which are defined in **>** tag are centered and bold by default.

#### Example

```
<body>
  Name
    Salary
   Ramesh Raman
    5000
   Shabbir Hussein
    7000
   </body>
</html>
```



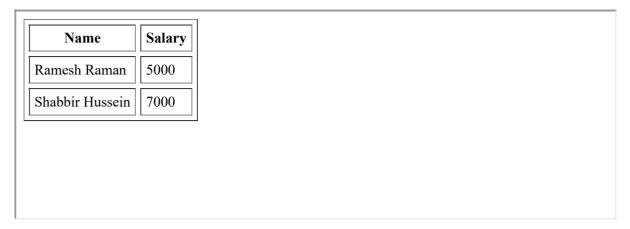
## Cellpadding and Cellspacing Attributes

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.

Live Demo

#### Example

```
<!DOCTYPE html>
<html>
   <title>HTML Table Cellpadding</title>
 </head>
 <body>
   Name
      Salary
    Ramesh Raman
      5000
    Shabbir Hussein
      7000
    </body>
```



## 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.

Live Demo

### Example

```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table Colspan/Rowspan</title>
 </head>
 <body>
   Column 1
      Column 2
      Column 3
     Row 1 Cell 1
      Row 1 Cell 2
      Row 1 Cell 3
     Row 2 Cell 2
      Row 2 Cell 3
     Row 3 Cell 1
     </body>
```

This will produce the following result -

</html>

Column 1	Column 2	Column 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Kow i Celi i	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1		

### **Tables Backgrounds**

You can set table background using one of the following two ways -

- **bgcolor** attribute You can set background color for whole table or just for one cell.
- **background** attribute You can set background image for whole table or just for one cell.

You can also set border color also using bordercolor attribute.

**Note** – The *bgcolor*, *background*, and *bordercolor* attributes deprecated in HTML5. Do not use these attributes.

#### Example

Live Demo

```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table Background</title>
 </head>
 <body>
   Column 1
      Column 2
      Column 3
    Row 1 Cell 1
      Row 1 Cell 2
      Row 1 Cell 3
    Row 2 Cell 2
      Row 2 Cell 3
    Row 3 Cell 1
    </body>
</html>
```

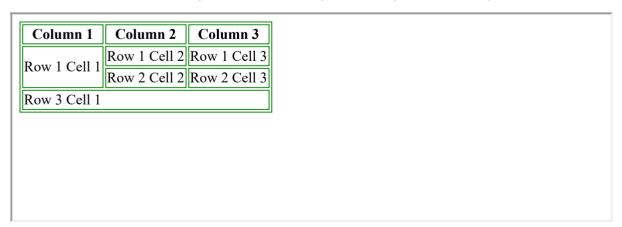
This will produce the following result -

Column	1 Column 2	Column 2
Column		
Row 1 Ce	1 1	Row 1 Cell 3
l Row 1 CC	Row 2 Cell	Row 2 Cell 3
Row 3 Ce	1 1	

Here is an example of using background attribute. Here we will use an image available in /images directory.

```
Live Demo
<!DOCTYPE html>
<html>
 <head>
  <title>HTML Table Background</title>
 </head>
 <body>
  Column 1
     Column 2
     Column 3
    Row 1 Cell 1
     Row 1 Cell 2Row 1 Cell 3
    Row 2 Cell 2
     Row 2 Cell 3
    Row 3 Cell 1
    </body>
```

This will produce the following result. Here background image did not apply to table's header.



# Table Height and Width

</html>

You can set a table width and height using **width** and **height** attributes. You can specify table width or height in terms of pixels or in terms of percentage of available screen area.

Live Demo

```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table Width/Height</title>
 </head>
 <body>
   Row 1, Column 1
       Row 1, Column 2
     Row 2, Column 1
       Row 2, Column 2
   </body>
</html>
```

This will produce the following result -

2, Column 1 Row 2, Column 2

### **Table Caption**

The **caption** tag will serve as a title or explanation for the table and it shows up at the top of the table. This tag is deprecated in newer version of HTML/XHTML.

#### Example

Live Demo

```
row 2, column 1
row 2, columnn 2

</body>
</html>
```

This is the	ne caption
row 1, column 1	row 1, column 2
row 2, column 1	row 2, column 2

### Table Header, Body, and Footer

Tables can be divided into three portions – a header, a body, and a foot. The head and foot are rather similar to headers and footers in a word-processed document that remain the same for every page, while the body is the main content holder of the table.

The three elements for separating the head, body, and foot of a table are -

- <thead> to create a separate table header.
- to indicate the main body of the table.
- <tfoot> to create a separate table footer.

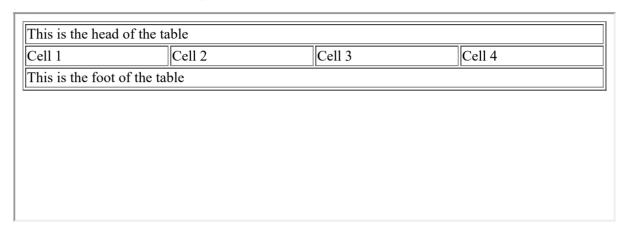
A table may contain several elements to indicate *different pages* or groups of data. But it is notable that <thead> and <tfoot> tags should appear before

#### Example

Live Demo

```
<!DOCTYPE html>
<html>
 <head>
   <title>HTML Table</title>
 </head>
 <body>
   <thead>
       This is the head of the table
       </thead>
     <tfoot>
         This is the foot of the table
       </tfoot>
```

```
    Cell 1
    Cell 2
    Cell 3
    Cell 3
    Cell 3
    Cell 4
    Cell 4</t
```



#### **Nested Tables**

You can use one table inside another table. Not only tables you can use almost all the tags inside table data tag .

Live Demo

#### Example

Following is the example of using another table and other tags inside a table cell.

```
<!DOCTYPE html>
<html>
 <head>
  <title>HTML Table</title>
 </head>
  >
      Name
         Salary
       Ramesh Raman
         5000
       Shabbir Hussein
         7000
```

	Salary
Ramesh Raman	5000
Shabbir Hussein	7000

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