

# Tables

- **HTML table tag** is used to display data in tabular form (row \* column)

A table is created using the following tags.

- **<table>** element, with the help of **<tr>** , **<td>**, and **<th>** elements.

Tag	Description
<b>&lt;table&gt;</b>	It defines a <b>table</b> .
<b>&lt;tr&gt;</b>	It defines <b>a row</b> in a table.
<b>&lt;th&gt;</b>	It defines <b>a header</b> cell in a table.
<b>&lt;td&gt;</b>	It defines a <b>cell – table data</b> in a table.
<b>&lt;caption&gt;</b>	It defines the table <b>caption</b> .

```
<html>
<head> <title>HTML Tables</title> </head>
<body>
<table border="1">
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
</table>
</body>
</html>
```

Jill	Smith	50
Eve	Jackson	94

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# Tables

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## Table Heading

Table heading can be defined using **<th>** tag. This tag will be put to replace **<td>** tag.

Name	Salary
Ramesh Raman	5000
Shabbir Hussein	7000

```
<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>
```

## Tables - Colspan and Rowspan Attributes:

- We can use **colspan** attribute if we want to **merge two or more columns** into a single column.
- Similar way we will use **rowspan** if we want to **merge two or more rows**.

name	marks	
	WT	ES
student1	95	75
student2	75	55

```
<html>
  <head>
    <title>HTML Table Colspan/Rowspan</title>
  </head>
  <body>
    <table border = "1">
      <tr>
        <th rowspan = "2">name</th>
        <th colspan = "3">marks</th>
      </tr>
      <tr>
        <th>WT</th>
        <th>ES</th>
      </tr>
```

```
      <tr>
        <td>student1</td>
        <td>95</td>
        <td>75</td>
      </tr>
      <tr>
        <td>student2</td>
        <td>75</td>
        <td>55</td>
      </tr>
    </table>
  </body>
</html>
```

# Tables- Height and Width attributes

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

## 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

This is the caption

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

```
<html>

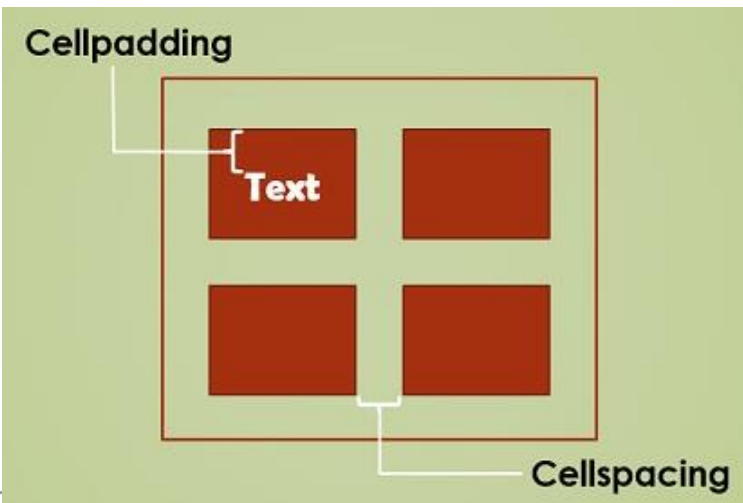
  <head>
    <title>HTML Table Width/Height</title>
  </head>
  <body>
    <table border = "1" width = "400" height = "150">
      <caption>This is the caption</caption>
      <tr>
        <td>Row 1, Column 1</td>
        <td>Row 1, Column 2</td>
      </tr>

      <tr>
        <td>Row 2, Column 1</td>
        <td>Row 2, Column 2</td>
      </tr>
    </table>
  </body>

</html>
```

## Tables : Cellpadding and Cell-spacing Attributes

- **cellpadding** and **cellspacing** which are used to adjust the white space in table cells.
- The **cellspacing attribute** defines space between table cells.
- **cellpadding represents** the distance between cell borders and the content within a cell.



Name	Salary
Ramesh Raman	5000
Shabbir Hussein	7000

```
<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>
```

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## Tables – bordercolor

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- we can also set border color also using **bordercolor** attribute.

Name	Salary
Shivam	50,000.00
Vansh	45,000.00

```
<html>
<head>
<title>HTML Tables</title> </head>
<body>
<table border="1"bordercolor="red" >
<tr>
    <th>Name</th>
    <th>Salary</th>
</tr>
<tr>
    <td>Shivam</td>
    <td>50,000.00</td>
</tr>
<tr>
    <td>Vansh</td>
    <td>45,000.00</td>
</tr>
</table>
</body>
</html>
```

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# Tables – Backgrounds

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## Tables Backgrounds

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

Name	Salary
Jayapal	50,000.00
Ravi	45,000.00

```
<html>
<head>
<title>HTML Tables</title> </head>
<body>
<table border="1"bgcolor="yellow">
<tr>
<th>Name</th>
<th>Salary</th>
</tr>
<tr>
<td>Jayapal</td>
<td>50,000.00</td>
</tr>
<tr>
<td>Ravi</td>
<td>45,000.00</td>
</tr>
</table>
</body>
</html>
```

## Tables – table body <tbody>

- HTML **<tbody>** tag is used to group the table rows (<tr>) together, which indicates that this is body part of a table (<table>).
- The **<tbody>** tag must be a child of <table> element.
- The **<tbody>** is used along with **<thead>** and **<tfoot>** which shows the different part of the table that are table head, table body, and table footer, however, it does not affect the layout of the table.

Day	venue
Mon	TG
Tue	PG
wed	tesla

```
<!DOCTYPE html>
<html>
<h1>The thead, tbody, and tfoot elements</h1>
<table border="1">
  <thead>
    <tr>
      <th>Day</th>
      <th>venue</th>
    </tr>
  </thead>
  <tbody>
    <tr>
      <td>Mon</td>
      <td>TG</td>
    </tr>
    <tr>
      <td>Tue</td>
      <td>PG</td>
    </tr>
  </tbody>
  <tfoot>
    <tr>
      <td>wed</td>
      <td>tesla</td>
    </tr>
  </tfoot>
</table>
</body>
</html>
```