

Introduction to

HTML



Tables

In this chapter you will learn that tables have many uses in HTML.

Objectives:

Upon completing this section, you should be able to:

1. Insert a table.
2. Explain a table's attributes.
3. Edit a table.
4. Add a table header.

Tables

- The `<TABLE></TABLE>` element has four sub-elements:
 1. Table Row `<TR></TR>`.
 2. Table Header `<TH></TH>`.
 3. Table Data `<TD></TD>`.
 4. Caption `<CAPTION></CAPTION>`.
- The table row elements usually contain table header elements or table data elements.

Tables

```
<table border="1">  
<tr>  
<th> Column 1 header </th>  
<th> Column 2 header </th>  
</tr>  
<tr>  
<td> Row1, Col1 </td>  
<td> Row1, Col2 </td>  
</tr>  
<tr>  
<td> Row2, Col1 </td>  
<td> Row2, Col2 </td>  
</tr>  
</table>
```

Tables

Column 1 Header	Column 2 Header
Row1, Col1	Row1, Col2
Row2, Col1	Row2, Col2

Tables Attributes

- **BGColor:** Some browsers support background colors in a table.
- **Width:** you can specify the table width as an absolute number of pixels or a percentage of the document width. You can set the width for the table cells as well.
- **Border:** You can choose a numerical value for the border width, which specifies the border in pixels.
- **CellSpacing:** Cell Spacing represents the space between cells and is specified in pixels.

Table Attributes

- **CellPadding**: Cell Padding is the space between the cell border and the cell contents and is specified in pixels.
- **Align**: tables can have left, right, or center alignment.
- **Background**: Background Image, will be titled in IE3.0 and above.
- **BorderColor, BorderColorDark**.

Table Caption

- A table caption allows you to specify a line of text that will appear centered above or below the table.

```
<TABLE BORDER=1 CELLPADDING=2>
```

```
<CAPTION ALIGN="BOTTOM"> Label For My Table  
</CAPTION>
```

- The Caption element has one attribute ALIGN that can be either TOP (Above the table) or BOTTOM (below the table).

Table Header

- Table Data cells are represented by the TD element. Cells can also be TH (Table Header) elements which results in the contents of the table header cells appearing **centered and in bold text**.

Table Data and Table Header Attributes

- **Colspan:** Specifies how many cell columns of the table this cell should span.
- **Rowspan:** Specifies how many cell rows of the table this cell should span.
- **Align:** cell data can have left, right, or center alignment.
- **Valign:** cell data can have top, middle, or bottom alignment.
- **Width:** you can specify the width as an absolute number of pixels or a percentage of the document width.
- **Height:** You can specify the height as an absolute number of pixels or a percentage of the document height.

Basic Table Code

```
<TABLE BORDER=1 width=50%>
<CAPTION> <h1>Spare Parts </h1> </Caption>
<TR><TH>Stock Number</TH><TH>Description</TH><TH>List
Price</TH></TR>
<TR><TD bgcolor=red>3476-AB</TD><TD>76mm
Socket</TD><TD>45.00</TD></TR>
<TR><TD >3478-AB</TD><TD><font color=blue>78mm Socket</font>
</TD><TD>47.50</TD></TR>
<TR><TD>3480-AB</TD><TD>80mm Socket</TD><TD>50.00</TD></TR>
</TABLE>
```

Spare Parts

Stock Number	Description	List Price
3476-AB	76mm Socket	45.00
3478-AB	78mm Socket	47.50
3480-AB	80mm Socket	50.00

Table Data and Table Header Attributes

```
<Table border=1 cellpadding =2>
```

```
<tr> <th> Column 1 Header</th> <th>  
Column 2 Header</th> </tr>
```

```
<tr> <td colspan=2> Row 1 Col 1</td> </tr>
```

```
<tr> <td rowspan=2>Row 2 Col 1</td>
```

```
<td> Row 2 Col2</td> </tr>
```

```
<tr> <td> Row 3 Col2</td> </tr>
```

```
</table>
```

Table Data and Table Header Attributes

Column 1 Header	Column 2 Header
Row 1 Col 1	
Row 2 Col 1	Row 2 Col 2
	Row 3 Col 2

Special Things to Note

- **TH, TD and TR should always have end tags.**
Although the end tags are formally optional, many browsers will mess up the formatting of the table if you omit the end tags. In particular, you should *always* use end tags if you have a TABLE within a TABLE -- in this situation, the table parser gets hopelessly confused if you don't close your TH, TD and TR elements.
- **A default TABLE has no borders**
By default, tables are drawn without border lines. You need the BORDER attribute to draw the lines.
- **By default, a table is flush with the left margin**
TABLEs are plopped over on the left margin. If you want centered tables, You can either: place the table inside a DIV element with attribute ALIGN="center".
Most current browsers also supports table alignment, using the ALIGN attribute. Allowed values are "left", "right", or "center", for example: <TABLE ALIGN="left">. The values "left" and "right" float the table to the left or right of the page, with text flow allowed around the table. This is entirely equivalent to IMG alignment

What will be the output?

```
<TABLE BORDER width="750">
```

```
<TR> <TD colspan="4" align="center">Page  
Banner</TD></TR>
```

```
<TR> <TD rowspan="2" width="25%">Nav  
Links</TD><TD colspan="2">Feature  
Article</TD> <TD rowspan="2"  
width="25%">Linked Ads</TD></TR>
```

```
<TR><TD width="25%">News Column 1 </TD>  
<TD width="25%"><News Column 2 </TD></TR>
```

```
</TABLE>
```

The Output

