

HTML

Tables

Tables

- Tables can be used to display rows and columns of data, create multi-column text, captions for images, and sidebars
- The `<TABLE>` tag is used to create a table; the `<TR>` tag defines the beginning of a row while the `<TD>` tag defines the beginning of a cell

<table>

- Tables use a very simple tag structure with these four sub-elements:

Table Row	<TR>...</TR>.
Table Header	<TH>...</TH>.
Table Data	<TD>...</TD>.

<table> attributes

<TABLE ALIGN="left" BORDER=0 BGCOLOR="cyan" width=600
cellpadding=0 cellspacing=0>

- **Align:** "left", "center" or "right" - "left" is the default
- **Border:** thickness of the border in pixels - 0 for no borders
- **Bgcolor:** is background color in HEX or as a name color
- **Background=url** (works with IE only)
- **Cellpadding=n** (n is number of pixels (space) between cell content and its border)
- **Cellspacing=n** (n is number of pixels (space) between cells)
- **Height=n** (height of table in pixels or percentages 100%)
- **Width=n** (Width of table in pixels or percentages 100%)

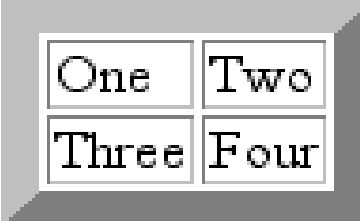
Adding a Border

- The `BORDER=n` attribute allows you to add a border `n` pixels thick around the table
- To make a solid border color, use the `BORDERCOLOR="color"` attribute

Creating Simple Table

```
<TABLE BORDER=10>  
  <TR>  
    <TD>One</TD>  
    <TD>Two</TD>  
  </TR>  
  <TR>  
    <TD>Three</TD>  
    <TD>Four</TD>  
  </TR>  
</TABLE>
```

- Here's how it would look on the Web:



One	Two
Three	Four

```
<TABLE BORDER="1" WIDTH="300"
  HEIGHT="100"
  BORDERCOLOR="BLUE">
```

```
<CAPTION ALIGN="TOP" >This table
lists movies with their ticket
prices</CAPTION>
```

```
<TR >
<TH>Movie</TH>
<TH>Ticket Price</TH>
</TR>
```

```
<TR>
<TD>MI6</TD>
<TD>250</TD>
</TR>
```

```
<TR>
<TD>Minions</TD>
<TD>300</TD>
</TR>
```

```
</TABLE>
```

This table lists movies with their ticket prices

Movie	Ticket Price
MI6	250
Minions	300

Centering a Table

- There are two ways to center a table
 - Type `<TABLE ALIGN=CENTER>`
 - Enclose the `<TABLE>` tags in opening and closing `<CENTER>` tags

Controlling Cell Spacing

- Cell spacing is the space *between* cells while cell padding is the space *around* the contents of a cell
- To control both types of spacing, use the CELLSPACING =n and CELLPADDING=n attributes in the <TABLE> tag

TD or TH 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.

```
<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>

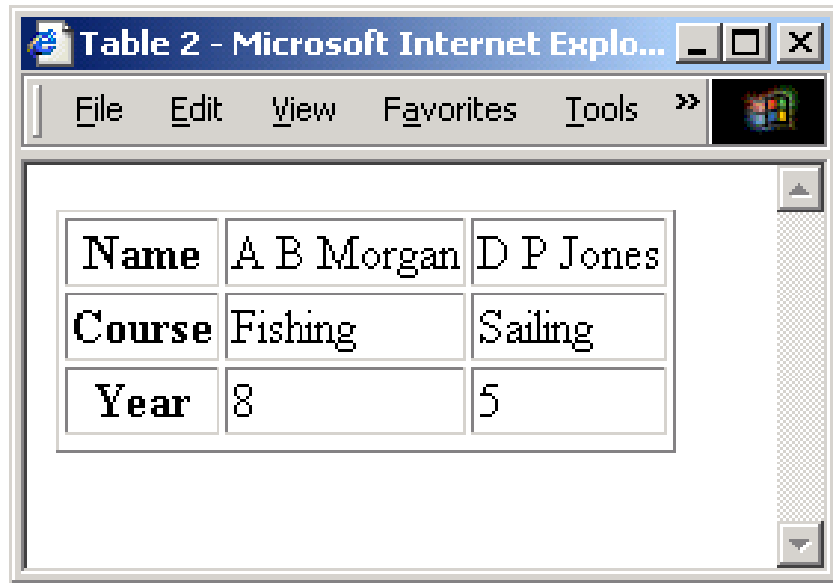
  <tr>
<td> Row 3 Col2</td>
  </tr> </table>
```

Output

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

Tables

Row -column format

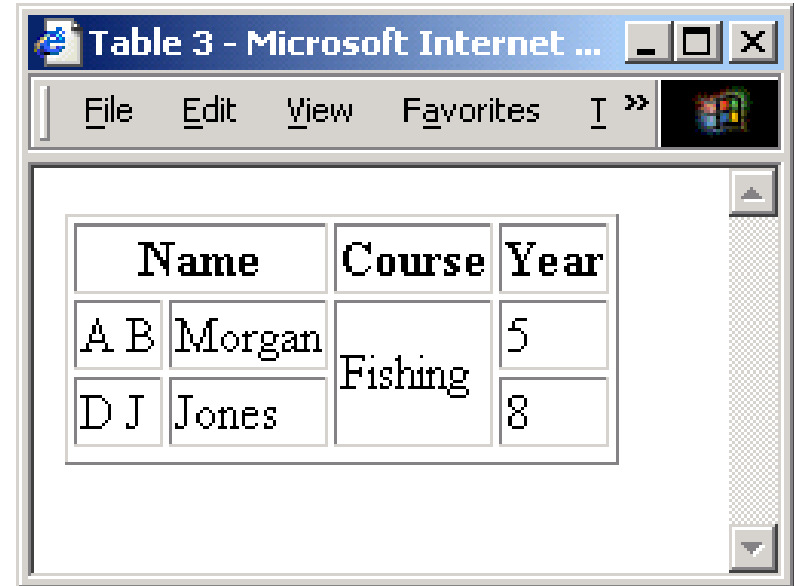


A screenshot of a Microsoft Internet Explorer window titled "Table 2 - Microsoft Internet Explo...". The browser's menu bar includes File, Edit, View, Favorites, Tools, and a help icon. The main content area displays a table with a border. The table has three columns and three rows. The first row contains the headers "Name", "A B Morgan", and "D P Jones". The second row contains "Course", "Fishing", and "Sailing". The third row contains "Year", "8", and "5".

Name	A B Morgan	D P Jones
Course	Fishing	Sailing
Year	8	5

```
<table border="1">  
  <tr>  
    <th>Name</th>  
    <td>A B Morgan</td>  
    <td>D P Jones</td>  
  </tr>
```

...



A screenshot of a Microsoft Internet Explorer window titled "Table 3 - Microsoft Internet ...". The browser's menu bar includes File, Edit, View, Favorites, I, and a help icon. The main content area displays a table with a border. The table has four columns and three rows. The first row contains the headers "Name", "Course", and "Year". The second row contains "A B Morgan", "Fishing", and "5". The third row contains "D J Jones", "Fishing", and "8".

Name	Course	Year
A B Morgan	Fishing	5
D J Jones	Fishing	8

```
<table border="1">  
  <tr>  
    <th colspan="2">Name</th>  
    <th>Course</th>  
    <th>Year</th>  
  </tr>
```

...

...

Changing a Cell's Color

- To change a cell's color, add the `BGCOLOR="color"` attribute to the `<TD>` tag
- Example:
`<TD BGCOLOR="blue">`

Controlling Line Breaks

- Unless you specify otherwise a browser will divide the lines in a cell as it sees fit.
- The NOWRAP attribute placed within the `<TD>` tag forces the browser to keep all the text in a cell on one line
- Example:
 - `<TD NOWRAP>`Washington, D.C.

Nesting Tables

- Create the inner table
- Create the outer table and determine which cell of the outer table will hold the inner table
- Test both tables separately to make sure they work
- Copy the inner table into the cell of the outer table
- Don't nest too many tables. If you find yourself doing that, find an easier way to lay out your Web page