

TABLES IN HTML

- A table is a matrix of cells, each possibly having content
- The cells can include almost any element
- Some cells have row or column labels and some have data
- A table is specified as the content of a <table> tag
- A border attribute in the <table> tag specifies a border between the cells
- If border is set to "border", the browser's default width border is used
- The border attribute can be set to a number, which will be the border width
- Without the border attribute, the table will have no lines!
- Tables are given titles with the <caption> tag, which can immediately follow <table>
- Each row of a table is specified as the content of a <tr> tag
- The row headings are specified as the content of a <th> tag
- The contents of a data cell is specified as the content of a <td> tag

```
<table border = "border">
  <caption> Fruit Juice Drinks </caption>
  <tr>
    <th> </th>
    <th> Apple </th>
    <th> Orange </th>
    <th> Screwdriver </th>
  </tr>
  <tr>
    <th> Breakfast </th>
    <td> 0 </td>
    <td> 1 </td>
    <td> 0 </td>
  </tr>
  <tr>
    <th> Lunch </th>
    <td> 1 </td>
    <td> 0 </td>
    <td> 0 </td>
  </tr>
</table>
```

Fruit Juice Drinks			
	Apple	Orange	Screwdriver
Breakfast	0	1	0
Lunch	1	0	0
Dinner	0	0	1

- A table can have two levels of column labels
 - If so, the colspan attribute must be set in the <th> tag to specify that the label must span some number of columns

```

<tr>
  <th colspan = "3"> Fruit Juice Drinks </th>
</tr>
<tr>
  <th> Orange </th>
  <th> Apple </th>
  <th> Screwdriver </th>
</tr>

```

Fruit Juice Drinks	Orange	Apple	Screwdriver
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- If the rows have labels and there is a spanning column label, the upper left corner must be made larger, using rowspan

```

<table border = "border">
  <tr>
    <td rowspan = "2"> </td>
    <th colspan = "3"> Fruit Juice Drinks
    </th>
  </tr>
  <tr>
    <th> Apple </th>
    <th> Orange </th>
    <th> Screwdriver </th>
  </tr>
  ...
</table>

```

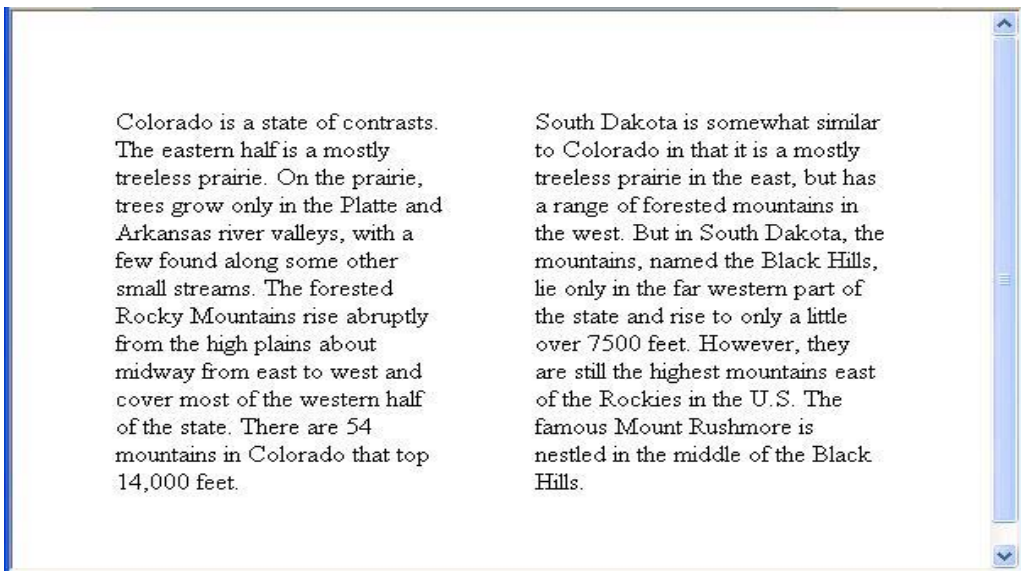
- The align attribute controls the horizontal placement of the contents in a table cell
 - ❑ Values are left, right, and center (default)
 - ❑ align is an attribute of <tr>, <th>, and <td> elements
- The valign attribute controls the vertical placement of the contents of a table cell
 - ❑ Values are top, bottom, and center (default)
 - ❑ valign is an attribute of <th> and <td> elements

→ SHOW cell_align.html and display it

- The cellspacing attribute of <table> is used to specify the distance between cells in a table
- The cellpadding attribute of <table> is used to specify the spacing between the content of a cell and the inner walls of the cell

```
<table cellspacing = "50">
```

```
<tr>
  <td> Colorado is a state of ...
</td>
  <td> South Dakota is somewhat...
</td>
</tr>
</table>
```



- *Table Sections*

- Header, body, and footer, which are the elements: thead, tbody, and tfoot
- If a document has multiple tbody elements, they are separated by thicker horizontal lines