**W3.CSS – Tables**

W3.CSS provides various numbers of classes for styling table. These are:

- **w3-table**
  -- The **w3-table** class is used as container for HTML table.

- **w3-striped**
  -- The **w3-striped** class is used to create striped table.

- **w3-border**
  -- The **w3-border** class is used to make border around the table.

- **w3-bordered**
  -- The **w3-bordered** class is used to make bordered lines on the bottom of each row.

- **w3-centered**
  -- The **w3-centered** class is used to centrally align the contents of the table.

- **w3-hoverable**
  -- The **w3-hoverable** class is used to display hoverable table (Background color changes when mouse moved over table).

- **w3-table-all**
  -- The **w3-table-all** class is used to set all the above properties except w3-centered, w3-hoverable.

Other classes of W3CSS like Font classes, Border Classes, Color classes, etc can be used with table to make it more attractive. [ w3-center, w3-size, w3-color etc ]
Code: W3CSS [w3-table, w3-border]

```
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container">
<h1> List of Products </h1>
<table class="w3-table w3-border">
<tr>
<th> Product Name </th>
<th> Make </th>
<th> Cost </th>
</tr>
<tr>
<td> Mouse </td>
<td> Dell </td>
<td> 300 </td>
</tr>
<tr>
<td> Keyboard </td>
<td> HP </td>
<td> 400 </td>
</tr>
<tr>
<td> Pen drive </td>
<td> Sony </td>
<td> 800 </td>
</tr>
</table>
</div>
</body>
</html>
```

Output:

![List of Products](w3-table.html)

**w3-table:** Container for table element.

**w3-border:** It gives border around the table
Code: W3CSS [w3-striped, w3-bordered]

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container">
<h1>List of Products</h1>
<table class="w3-table w3-striped w3-bordered">
<tr><th>Product Name</th> <th>Make</th> <th>Cost</th> </tr>
<tr><td>Mouse</td> <td>Dell</td> <td>300</td> </tr>
<tr><td>Keyboard</td> <td>HP</td> <td>400</td> </tr>
<tr><td>Pen drive</td> <td>Sony</td> <td>800</td> </tr>
</table>
</div>
</body>
</html>
```

Output:

```
List of Products

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Make</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse</td>
<td>Dell</td>
<td>300</td>
</tr>
<tr>
<td>Keyboard</td>
<td>HP</td>
<td>400</td>
</tr>
<tr>
<td>Pen drive</td>
<td>Sony</td>
<td>800</td>
</tr>
</tbody>
</table>
```

**w3-striped**: Makes striped (zebra) table.

**w3-bordered**: It gives bottom border on each row.
Code: W3CSS [w3-centered, w3-hoverable]

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container">
<h1>List of Products</h1>
<table class="w3-table w3-striped w3-bordered w3-center w3-hoverable">
  <tr class="w3-red">
    <th>Product Name</th> <th>Make</th> <th>Cost</th>
  </tr>
  <tr><td>Mouse</td> <td>Dell</td> <td>300</td></tr>
  <tr><td>Keyboard</td> <td>HP</td> <td>400</td></tr>
  <tr><td>Pen drive</td> <td>Sony</td> <td>800</td></tr>
</table>
</div>
</body>
</html>
```

Output:

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Make</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mouse</td>
<td>Dell</td>
<td>300</td>
</tr>
<tr>
<td>Keyboard</td>
<td>HP</td>
<td>400</td>
</tr>
<tr>
<td>Pen drive</td>
<td>Sony</td>
<td>800</td>
</tr>
</tbody>
</table>

**w3-centered:** Centrally aligns the contents of table.

**w3-color class:** Used on first `<tr>` to change the color.

**w3-hoverable:** Changes the background color of row when mouse is moved over it.

Output: When mouse moved over it.
Code: W3CSS Table [Combining various classes]

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container">
<h1>List of Products</h1>
<table class="w3-table-all w3-xlarge">
<tr class="w3-red">
<th>Product Name</th> <th>Make</th> <th>Cost</th>
</tr>
<tr class="w3-aqua w3-hover-teal">
<td>Mouse</td> <td>Dell</td> <td class="w3-right-align">300</td>
</tr>
<tr class="w3-sand w3-hover-lime">
<td>Keyboard</td> <td>HP</td> <td class="w3-right-align">400</td>
</tr>
<tr class="w3-khaki w3-hover-purple">
<td>Pen drive</td> <td>Sony</td> <td class="w3-right-align">800</td>
</tr>
</table>
</div>
</body>
</html>
```

Output: When mouse moved over it.
Responsive table:

w3-responsive

-- The **w3-responsive** class is used to make responsive table. The whole `<table>` code is needed to be enclosed within `<div>` tag to make responsive table. On the smaller screen, a horizontal scroll bar is appeared to see the contents of table properly.

**Code: W3CSS Responsive Table**

```html
<html>
<head>
<meta name="viewport" content="width=device-width, initial-scale=1">
<link rel="stylesheet" href="https://www.w3schools.com/w3css/4/w3.css">
</head>
<body>
<div class="w3-container w3-responsive">
<h1>List of Products</h1>
<table class="w3-table-all w3-xxlarge">
<tr class="w3-red">
<th>Product Name</th>
<th>Make</th>
<th>Cost</th>
<th>qty</th>
<th>total</th>
</tr>
<tr>
<td>Mouse</td>
<td>Dell</td>
<td>300</td>
<td>05</td>
<td>1500</td>
</tr>
<tr>
<td>Keyboard</td>
<td>HP</td>
<td>400</td>
<td>06</td>
<td>2400</td>
</tr>
<tr>
<td>Pen drive</td>
<td>Sony</td>
<td>800</td>
<td>10</td>
<td>80000</td>
</tr>
</table>
</div>
</body>
</html>
```
Exercise:
1) Create a following table in html and make it attractive using W3.CSS classes:

<table>
<thead>
<tr>
<th>SN</th>
<th>Name</th>
<th>Dob</th>
<th>City</th>
<th>Mobile</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Kartik</td>
<td>09-Jun-1992</td>
<td>Lucknow</td>
<td>764355427</td>
</tr>
<tr>
<td>02</td>
<td>Radhika</td>
<td>11-Sep-1997</td>
<td>Gorakhpur</td>
<td>567889876</td>
</tr>
<tr>
<td>03</td>
<td>Suman</td>
<td>03-Mar-1990</td>
<td>New Delhi</td>
<td>238744623</td>
</tr>
<tr>
<td>04</td>
<td>Ayaan</td>
<td>18-Aug-2000</td>
<td>Prayagraj</td>
<td>873565434</td>
</tr>
</tbody>
</table>