

Lesson:

List Styling, Table Styling



Topics Covered

- List Styling
- Table Styling

List Styling

Unstyled List

Below are ordered and unordered lists with default styling.

Unordered List

```
Unset
<ul>
  <li>Pepsi</li>
  <li>Coke</li>
  <li>Red Bull</li>
<ul/>
```

Ordered List

```
Unset
<ol>
  <li>Pepsi</li>
  <li>Coke</li>
  <li>Red Bull</li>
<ol/>
```

Unordered List

- Pepsi
- Coke
- Red Bull

Ordered List

1. Pepsi
2. Coke
3. Red Bull

Now, let's try to alter some styles in the list.

1. list-style-type

The list-style-type property determines the marker style used for list items.

CSS	Output
<pre>ul { list-style-type: square; }</pre>	<ul style="list-style-type: none"> Pepsi Coke Red Bull
<pre>ul { list-style-type: circle; }</pre>	<ul style="list-style-type: none"> Pepsi Coke Red Bull
<pre>ul { list-style-type: disc; }</pre>	<ul style="list-style-type: none"> Pepsi Coke Red Bull
<pre>ol { list-style-type: upper-roman; }</pre>	<ol style="list-style-type: none"> I. Pepsi II. Coke III. Red Bull
<pre>ol { list-style-type: lower-roman; }</pre>	<ol style="list-style-type: none"> i. Pepsi ii. Coke iii. Red Bull
<pre>ol { list-style-type: lower-alpha; }</pre>	<ol style="list-style-type: none"> a. Pepsi b. Coke c. Red Bull
<pre>ol { list-style-type: upper-alpha; }</pre>	<ol style="list-style-type: none"> A. Pepsi B. Coke C. Red Bull
<pre>ol { list-style-type: none; }</pre>	<p>Pepsi Coke Red Bull</p>
<pre>ol { list-style-type: decimal; }</pre>	<ol style="list-style-type: none"> a. Pepsi b. Coke c. Red Bull
<pre>ol { list-style-type: decimal-leading-zero; }</pre>	<ol style="list-style-type: none"> 01. Pepsi 02. Coke 03. Red Bull

Similarly, there are more list-style-types available. Please refer to MDN docs for all options available.

2. list-style-image

The list-style-image property sets an image to be used as the marker for list items.

Example:-

```
Unset
ol{
    list-style-image: url("check.png");
}
```

- ✓ Pepsi
- ✓ Coke
- ✓ Red Bull

3. list-style-position

The list-style-position property determines the placement of the list-item markers (bullet points).

<pre>ul { list-style-position: outside; }</pre>	<ul style="list-style-type: none"> • Pepsi • Coke • Red Bull
<pre>ul { list-style-position: inside; }</pre>	<ul style="list-style-type: none"> • Pepsi • Coke • Red Bull

Shorthand

We can provide all three list styling properties in just one property as follows.

CSS shorthand for the styling list.

```
Unset
list-style: list-style-type list-style-position list-style-image
```

Example:-

```
Unset
<!DOCTYPE html>
<html lang="en-us">
<head>
    <meta charset="utf-8" />
    <meta name="viewport" content="width=device-width" />
```

```

<title>Unordered Lists</title>
<style>
ol {
  list-style: lower-roman inside none;
}
</style>
</head>
<body>
<ol>
  <li>Pepsi</li>
  <li>Coke</li>
  <li>Red Bull</li>
</ol>
</body>
</html>

```

Output

- i. Pepsi
- ii. Coke
- iii. Red Bull

Table Styling

Unstyled Table

To understand it, we will take an example. Below is a table with default styling.

```

Unset
<table>
  <tr>
    <th>Firstname</th>

    <th>Lastname</th>
  </tr>
  <tr>
    <td>Mangesh</td>
    <td>Thakare</td>
  </tr>
  <tr>
    <td>Prabir</td>
    <td>Kumar</td>
  </tr>
  <tr>
    <td>Vinay</td>
    <td>Pratap</td>
  </tr>
</table>

```

Browser Output:-

Firstname Lastname

Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

Let's try to alter the default style of the table.

Add Border

We can add a border to each cell and a border to the table itself

```
Unset
table,
td,
th {
    border: 1px solid black;
}

table{
    border-collapse: collapse; // to merge borders into one
}
```

Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

With all borders

Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

With borders collapsed

Or for a better look, we can just add a border-bottom in each row, as shown below,

```
Unset
tr {
    border-bottom: 1px solid black;
}

table{
    border-collapse: collapse; // to merge borders into one
}
```

Firstname Lastname

Mangesh Thakare

Prabir Kumar

Vinay Pratap

border-collapse can have following values,

- Collapse: In the collapsed-border table, neighboring cells share borders as shown in above example.
- Separate(default value): In the separated-border table, neighboring cells have individual borders.

Size, Padding, & Text Alignment

Add some width, padding, and text center to table cells,

```
Unset
th,
td {
    width:200px;
    padding: 10px;
    text-align: center;
}
```

Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

Hover Style

Adding style to rows on hover.

```
Unset
tr:hover {
    background-color: rgb(188, 88, 88);
    color: white;
}
```

Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

Now our table looks more beautiful!!!

Caption Positioning

Let's add a caption to our table.

```
Unset
<table>
  <caption>
    Employees
  </caption>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
  </tr>
  <tr>
    <td>Mangesh</td>
    <td>Thakare</td>
  </tr>
  <tr>
    <td>Prabir</td>
    <td>Kumar</td>
  </tr>
  <tr>
    <td>Vinay</td>
    <td>Pratap</td>
  </tr>
</table>
```

Output

Employees	
Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

We can change caption position, using **caption-side** CSS property.
It can have the following values

- top (default value): Put the caption on top of the table.
- bottom: Put the caption on the bottom of the table.

```
Unset
table {
    border-collapse: collapse;
    caption-side: bottom;
}
```

Output

Firstname	Lastname
Mangesh	Thakare
Prabir	Kumar
Vinay	Pratap

Employees

Hide Empty Cells

This property is used when we have empty cells, and we want to hide the border and background of those cells.

Consider the below example, we have two empty cells in the last name column.

Firstname	Lastname
Mangesh	
Prabir	Kumar
Vinay	

To remove borders from empty cells, we use the empty-style property.

```
Unset
table {
    empty-cells: hide;
}
```

Firstname	Lastname
Mangesh	
Prabir	Kumar
Vinay	

Setting table layout

We can set the layout of table cells, rows, and columns, using the **table-layout** CSS property. It can have two values,

- auto(default value): In this case, the width of the elements automatically adapts to fit the content.
- fixed: In this case, the width of the elements is specified separately as shown in the below example.

Example

html

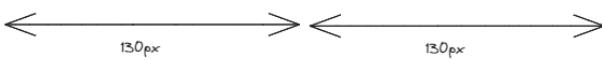
```
Unset
<table>
  <tr>
    <th>Product Name</th>
    <th>Product Category</th>
  </tr>
  <tr>
    <td>Real Juice - Mango</td>
    <td>Beverages</td>
  </tr>
  <tr>
    <td>Meggi</td>
    <td>Noodles</td>
  </tr>
  <tr>
    <td>Potato</td>
    <td>vegetables</td>
  </tr>
</table>
```

css

```
Unset
td, th {
  border: 1px solid black;
}

table {
  table-layout: fixed;
  width: 260px;
}
```

Product Name	Product Category
Real Juice - Mango	Beverages
Meggi	Noodles
Potato	vegetables



Border Spacing

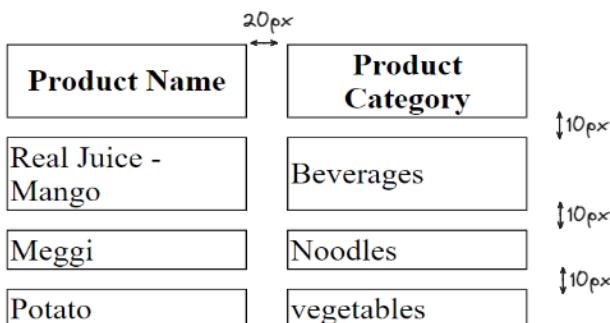
We can add space between cell borders using border-spacing property

Syntax

```
JavaScript
border-spacing: vertical-spacing horizontal-spacing
```

Where 1st value provides vertical spacing between borders, and 2nd value provides horizontal spacing between borders. If we specify only one value, then it will be considered for both vertical and horizontal border spacing.

```
JavaScript
table {
    border-spacing: 10px 20px;
}
```



Product Name	Product Category
Real Juice - Mango	Beverages
Meggi	Noodles
Potato	vegetables

Vertical-Align

We can align the content present in cells using the vertical-align property. It can have the following values,

- baseline: aligns the cell's baseline with the baselines of other cells in the same row that are also baseline-aligned.
- top: aligns the cell's top padding edge with the row's top edge.
- middle: centers the cell's padding box within the row.
- bottom: aligns the cell's bottom padding edge with the row's bottom edge.

Example:

```
Unset
<!-- styles --!>
<style>
  td {
    border: 1px solid black;
    height: 50px;
  }
</style>

<!-- body --!>
<body>
  <table>
    <tr>

      <td style="vertical-align: baseline">Baseline</td>
      <td style="vertical-align: top">Top</td>
      <td style="vertical-align: bottom">Bottom</td>
      <td style="vertical-align: middle">Middle</td>
    </tr>
  </table>
</body>
```

Output

Baseline	Top	Bottom	Middle
----------	-----	--------	--------