

## HTML Tables

### Defining an HTML Table

An HTML table is defined with the `<table>` tag.

Each table row is defined with the `<tr>` tag. A table header is defined with the `<th>` tag. By default, table headings are bold and centered. A table data/cell is defined with the `<td>` tag.

#### Example

```
<!DOCTYPE html>
<html>
<body>
<table style="width:100%">
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Eve</td>
    <td>Jackson</td>
    <td>94</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>
</body>
</html>
```

**Note:** The `<td>` elements are the data containers of the table. They can contain all sorts of HTML elements; text, images, lists, other tables, etc.

## HTML Table - Adding a Border

If you do not specify a border for the table, it will be displayed without borders.

A border is set using the CSS border property:

```
<!DOCTYPE html>
<html>
<head>
<style> table, th, td {
border: 1px solid black;
}
</style>
</head>
<body>
<table style="width:100%">
<tr>
<th>Firstname</th>
<th>Lastname</th>
<th>Age</th>
</tr>
<tr>
<td>Jill</td>
<td>Smith</td>
<td>50</td>
</tr>
<tr>
<td>Eve</td>
<td>Jackson</td>
```

```
<td>94</td>
</tr>
<tr>
<td>John</td>
<td>Doe</td>
<td>80</td>
</tr>
</table>
</body>
</html>
```

**Output:**

Firstname	Lastname	Age
Jill	Smith	50
Eve	Jackson	94
John	Doe	80

## HTML Table - Collapsed Borders

If you want the borders to collapse into one border, add the CSS border-collapse property: Example

```
table, th, td {
```

```
border: 1px solid black; border-collapse: collapse;
```

```
}
```

## HTML Table - Adding Cell Padding

Cell padding specifies the space between the cell content and its borders.

If you do not specify a padding, the table cells will be displayed without padding. To set the padding, use the CSS padding property:

### Example

```
th, td {  
padding: 15px;  
}
```

### HTML Table - Left-align Headings

By default, table headings are bold and centred.

To left-align the table headings, use the CSS text-align property:

### Example

```
th {  
text-align: left;  
}
```

### Adding a Caption

To add a caption to a table, use the <caption> tag:

### Example

```
<table style="width:100%">  
<caption>Monthly savings</caption>  
<tr>  
<th>Month</th>  
<th>Savings</th>  
</tr>  
<tr>  
<td>January</td>  
<td>$100</td>  
</tr>  
</tr>
```

```
<td>February</td>
```

```
<td>$50</td>
```

```
</tr>
```

```
</table>
```

## A Special Style for One Table

To define a special style for a special table, add an id attribute to the table:

### Example

```
<table id="t01">
```

```
<tr>
```

```
<th>Firstname</th>
```

```
<th>Lastname</th>
```

```
<th>Age</th>
```

```
</tr>
```

```
<tr>
```

```
<td>Eve</td>
```

```
<td>Jackson</td>
```

```
<td>94</td>
```

```
</tr>
```

```
</table>
```

Now you can define a special style for this table:

```
table#t01 {  
width: 100%;  
background-color: #f1f1c1;  
}
```

## HTML Lists

HTML List Example

### **An Unordered List:**

- Item
- Item
- Item
- Item

### **An Ordered List:**

1. First item
2. Second item
3. Third item
4. Fourth item

### **Unordered HTML List**

An unordered list starts with the `<ul>` tag. Each list item starts with the `<li>` tag. The list items will be marked with bullets (small black circles) by default:

### **Example**

```
<ul>  
<li>Coffee</li>  
<li>Tea</li>  
<li>Milk</li>  
</ul>
```

## Unordered HTML List - Choose List Item Marker

The CSS `list-style-type` property is used to define the style of the list item marker:

Value	Description
disc	Sets the list item marker to a bullet (default)
circle	Sets the list item marker to a circle
square	Sets the list item marker to a square
none	The list items will not be marked

### Example - Disc

```
<ul style="list-style-type:disc">
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ul>
```

### Ordered HTML List

An ordered list starts with the `<ol>` tag. Each list item starts with the `<li>` tag. The list items will be marked with numbers by default:

### Example

```
<ol>
  <li>Coffee</li>
  <li>Tea</li>
  <li>Milk</li>
</ol>
```

### Ordered HTML List - The Type Attribute

The `type` attribute of the `<ol>` tag, defines the type of the list item marker:

Type	Description
type="1"	The list items will be numbered with numbers (default)
type="A"	The list items will be numbered with uppercase letters
type="a"	The list items will be numbered with lowercase letters
type="I"	The list items will be numbered with uppercase roman numbers
type="i"	The list items will be numbered with lowercase roman numbers

### Numbers:

```
<ol type="1">  
  <li>Coffee</li>  
  <li>Tea</li>  
  <li>Milk</li>  
</ol>
```

### HTML Description Lists

HTML also supports description lists.

A description list is a list of terms, with a description of each term.

The **<dl>** tag defines the description list, the **<dt>** tag defines the term (name), and the **<dd>** tag describes each term:

### Example

```
<dl>  
  <dt>Coffee</dt>  
  <dd>- black hot drink</dd>  
  <dt>Milk</dt>  
  <dd>- white cold drink</dd>  
</dl>
```