

# HTML Tables

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## HTML Table Example

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Laughing Bacchus Winecellars	Yoshi Tannamuri	Canada
Magazzini Alimentari Riuniti	Giovanni Rovelli	Italy

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## 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

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```
<table>
  <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>
</table>
```

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**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:

### Example

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```
}  
  
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```

Remember to define borders for both the table and the table cells.

## 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;  
}
```

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## 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;  
}
```

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By default, table headings are bold and centered.

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

### Example

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

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## HTML Table - Adding Border Spacing

Border spacing specifies the space between the cells.

To set the border spacing for a table, use the CSS **border-spacing** property:

### Example

```
table {  
    border-spacing: 5px;  
}
```

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**Note:** If the table has collapsed borders, border-spacing has no effect.

## HTML Table - Cells that Span Many Columns

To make a cell span more than one column, use the **colspan** attribute:

### Example

```
<table style="width:100%">  
  <tr>  
    <th>Name</th>
```

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## HTML Table - Cells that Span Many Rows

To make a cell span more than one row, use the **rowspan** attribute:

### Example

```
<table style="width:100%">
  <tr>
    <th>Name:</th>
    <td>Bill Gates</td>
  </tr>
  <tr>
    <th rowspan="2">Telephone:</th>
    <td>55577854</td>
  </tr>
  <tr>
    <td>55577855</td>
  </tr>
</table>
```

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## HTML Table - Adding a Caption

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

### Example

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```
<caption>Monthly Savings</caption>
<table>
  <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>
```

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**Note:** The `<caption>` tag must be inserted immediately after the `<table>` tag.

## 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:

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

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## And add more styles:

```
table#t01 tr:nth-child(even) {  
    background-color: #eee;  
}  
table#t01 tr:nth-child(odd) {  
    background-color: #fff;  
}  
table#t01 th {  
    color: white;  
    background-color: black;  
}
```

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## Chapter Summary

- Use the HTML **<table>** element to define a table
- Use the HTML **<tr>** element to define a table row
- Use the HTML **<td>** element to define a table data
- Use the HTML **<th>** element to define a table heading
- Use the HTML **<caption>** element to define a table caption
- Use the CSS **border** property to define a border
- Use the CSS **border-collapse** property to collapse cell borders
- Use the CSS **padding** property to add padding to cells
- Use the CSS **text-align** property to align cell text
- Use the CSS **border-spacing** property to set the spacing between cells
- Use the **colspan** attribute to make a cell span many columns
- Use the **rowspan** attribute to make a cell span many rows
- Use the **id** attribute to uniquely define one table

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## HTML Table Tags

Tag	Description
<u><a href="#">&lt;table&gt;</a></u>	Defines a table
<u><a href="#">&lt;th&gt;</a></u>	Defines a header cell in a table
<u><a href="#">&lt;tr&gt;</a></u>	Defines a row in a table
<u><a href="#">&lt;td&gt;</a></u>	Defines a cell in a table
<u><a href="#">&lt;caption&gt;</a></u>	Defines a table caption
<u><a href="#">&lt;colgroup&gt;</a></u>	Specifies a group of one or more columns in a table for formatting
<u><a href="#">&lt;col&gt;</a></u>	Specifies column properties for each column within a <colgroup> element
<u><a href="#">&lt;thead&gt;</a></u>	Groups the header content in a table
<u><a href="#">&lt;tbody&gt;</a></u>	Groups the body content in a table
<u><a href="#">&lt;tfoot&gt;</a></u>	Groups the footer content in a table

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