**Class-15**

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# HTML Tables

Define an HTML Table

A table in HTML consists of table cells inside rows and columns.

Table Cells

Each table cell is defined by a <td> and a </td> tag.

td stands for table data.

Everything between <td> and </td> are the content of the table cell.

### Example

<table>  
  <tr>  
    <td>Emil</td>  
    <td>Tobias</td>  
    <td>Linus</td>  
  </tr>  
</table>

Table Rows

Each table row starts with a <tr> and ends with a </tr> tag.

tr stands for table row.

### Example

<table>  
  <tr>  
    <td>Emil</td>  
    <td>Tobias</td>  
    <td>Linus</td>  
  </tr>  
  <tr>  
    <td>16</td>  
    <td>14</td>  
    <td>10</td>  
  </tr>  
</table>

You can have as many rows as you like in a table; just make sure that the number of cells are the same in each row.

**Note:** There are times when a row can have less or more cells than another. You will learn about that in a later chapter.

Table Headers

Sometimes you want your cells to be table header cells. In those cases use the <th> tag instead of the <td> tag:

th stands for table header.

### Example

Let the first row be table header cells:

<table>  
  <tr>  
    <th>Person 1</th>  
    <th>Person 2</th>  
    <th>Person 3</th>  
  </tr>  
  <tr>  
    <td>Emil</td>  
    <td>Tobias</td>  
    <td>Linus</td>  
  </tr>  
  <tr>  
    <td>16</td>  
    <td>14</td>  
    <td>10</td>  
  </tr>  
</table>

# HTML Table Borders

How To Add a Border

To add a border, use the CSS border property on table, th, and td elements:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

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

## Collapsed Table Borders

To avoid having double borders like in the example above, set the CSS border-collapse property to collapse.

This will make the borders collapse into a single border:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

table, th, td {  
  border: 1px solid black;  
  border-collapse: collapse;  
}

## Style Table Borders

If you set a background color of each cell, and give the border a white color (the same as the document background), you get the impression of an invisible border:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

table, th, td {  
  border: 1px solid white;  
  border-collapse: collapse;  
}  
th, td {  
  background-color: #96D4D4;  
}

## Round Table Borders

With the border-radius property, the borders get rounded corners:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

table, th, td {  
  border: 1px solid black;  
  border-radius: 10px;  
}

[Try it Yourself »](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_table_border_round1)

Skip the border around the table by leaving out table from the css selector:

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

th, td {  
  border: 1px solid black;  
  border-radius: 10px;  
}

[Try it Yourself »](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_table_border_round2)

## Dotted Table Borders

With the border-style property, you can set the appearance of the border.

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

The following values are allowed:

* dotted
* dashed
* solid
* double
* groove
* ridge
* inset
* outset
* none
* hidden

### Example

 th, td {  
  border-style: dotted;  
}

[Try it Yourself »](https://www.w3schools.com/html/tryit.asp?filename=tryhtml_table_border_dotted)

## Border Color

With the border-color property, you can set the color of the border.

|  |  |  |
| --- | --- | --- |
|  |  |  |
|  |  |  |
|  |  |  |

### Example

 th, td {  
  border-color: #96D4D4;  
}