

HTML Table

	<td>	<td>	<td>
<tr>	Content	Content	Content
<tr>	Content	Content	Content
<tr>	Content	Content	Content
<tr>	Content	Content	Content

HTML – Tables

- HTML Tables allows us to arrange the data in the form of rows and columns.
- <table> tag is used to create a table in HTML.
- The table consists of rows and cells. *different*
- The table can have headings and captions.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Tables

Rows and
cells

Headers and
captions

Borders

Colspan

Rowspan

HTML – Table Rows and Cells

Table row:

- Table rows are created by using `<tr>` tag.
- Multiple rows can be used in a table.
- The content inside the row can be defined by the Table cells.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Table cells:

- Table cells are defined by using `<td>` tag, where td means table data.
- The content of the cell has to be included in between `<td>` `</td>`.
- The content can be any HTML elements. → *Italic / Strong or bold*



HTML – Table Header and Caption

Table Header:

- The headers will be inside the row.
- Table headers are defined by using `<th>` tag, instead of `<td>` tag. *→ (Headings)*
- By default the content between `<th>` and `</th>` are center aligned, where `<td>` is left aligned.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

Table Caption: *(Title)*

- To provide caption to the tables `<caption>` tag can be used.
- The `<caption>` tag has to be used immediately after the `<table>` tag before `<tr>` tag.
- By default the content between the `<caption>` `</caption>` are center aligned.



HTML – Table Border

By default the tables do not have borders.

`<table border="1">`

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

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HTML – Table Border

- Borders can be added to the table/cells in different shapes and styles, but the border attribute is applicable only for <table>. For rows and cells the border can be applied in styles.
- When the border is added to the table, the border will be automatically added around each table cell.

Table caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

→ Outer Border for Table
Every Cell has Border
(By default)

`<table border="1">`



HTML – Table Border

```
<th style="border: 1px solid black;">
```

```
<td style="border: 1px solid black;">
```

- When the borders are added as styles for the table cells.

→ CSS - No Border for Table

Table Caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

By-Cellspacing-attribute
this distance
can be increase

Cellpadding-attribute in table tag to increase distance

Tables

Rows and
cells

Headers and
captions

Borders

Colspan

Rowspan

HTML – Table Colspan



- Multiple rows can be included in the table but all the rows **<tr>** should have the same number of cells **<td>**.
- If the number of cells are different, colspan can be used to balance them.
- To span the cells over multiple columns colspan is used.

Table Caption

Heading 1	Heading 2	Heading 3
Row 1 Cell 1	Row 1 Cell 2	Row 1 Cell 3
Row 2 Cell 1	Row 2 Cell 2	Row 2 Cell 3
Row 3 spanned column		

`<td colspan="3">`

Tables

Rows and
cells

Headers and
captions

Borders

Colspan

Rowspan

HTML – Table Rowspan



- To span the cells over multiple rows, rowspan is used.

Table Caption

Heading 1	Heading 2	Heading 3
Row 1/2Cell 1	Row 1 Cell 2	Row 1 Cell 3
	Row 2 Cell 2	Row 2 Cell 3
Row 3 Cell 1	Row 3 Cell 2	Row 3 Cell 3

`<td rowspan="2">`

Tables

Rows and
cells

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Borders

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Rowspan