

# HTML Tables

## Topics Covered:

- HTML Table.
- Table Rows and Cells.
- Table Headers and Captions.
- HTML Borders.
- Table Colspan and Rowspan.

## Topics in Detail:

### 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.
- 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

Table overview

### 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 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 like: text, image, list, another table, etc...

### Table Headers:

- The headers will be inside the row.
- Table headers are defined by using `<th>` tag, instead of `<td>` tag.
- By default the content between `<th>` and `</th>` are center aligned and appears in bold, where `<td>` is left aligned and normal.

### Table caption:

- 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.

### Table border:

- By default the tables do not have borders.

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

#### Default table without 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

`<table border="1">`

- When the borders are added as styles for 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

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

### 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">
```

### Table Rowspan:

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

Table Caption

Heading 1	Heading 2	Heading 3
Row 1 and 2 Cell 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">
```