

`<!-- ! TABLE -->`

- An **HTML table** is used to organize data into rows and columns, providing a structured layout for displaying information.

Basic Structure of an HTML Table

- An HTML table is composed of several elements:
 - **<table>**: This tag defines the table itself.
 - **<tr>**: Represents a table row.
 - **<th>**: Represents a header cell within a table row, usually containing column headings. It is bold and centered by default.
 - **<td>**: Represents a standard data cell within a table row.

Attributes of the **<table>** Tag

- **border**: Specifies the width of the border around the table and cells. The default value is **0** (no border).

- **cellpadding**: Specifies the amount of space between the cell content and the cell border.

- **cellspacing**: Specifies the amount of space between the borders of adjacent cells.

- **width and height**: Specifies the dimensions of the table. These can be set in pixels or as a percentage of the containing element.

Merging Cells

- **colspan**: Merges two or more columns within a row.
- **rowspan**: Merges two or more rows within a column.

Advanced Table Elements

- **<caption>**: Adds a title or description to the table. It appears above the table by default.

- **<thead>**: Groups the header content (typically **<th>** elements) in a table.
- **<tbody>**: Groups the body content (typically **<td>** elements) in a table.
- **<tfoot>**: Groups the footer content in a table.