HTML Table

**HTML table tag** is used to display data in tabular form (row \* column). There can be many columns in a row.

We can create a table to display data in tabular form, using <table> element, with the help of <tr> , <td>, and <th> elements.

In Each table, table row is defined by <tr> tag, table header is defined by <th>, and table data is defined by <td> tags.

|  |  |
| --- | --- |
| **Tag** | **Description** |
| <table> | It defines a table. |
| <tr> | It defines a row in a table. |
| <th> | It defines a header cell in a table. |
| <td> | It defines a cell in a table. |
| <caption> | It defines the table caption. |

## HTML Table Example

Let's see the example of HTML table tag. It output is shown above.

1. **<table>**
2. **<tr><th>**First\_Name**</th><th>**Last\_Name**</th><th>**Marks**</th></tr>**
3. **<tr><td>**Sonoo**</td><td>**Jaiswal**</td><td>**60**</td></tr>**
4. **<tr><td>**James**</td><td>**William**</td><td>**80**</td></tr>**
5. **<tr><td>**Swati**</td><td>**Sironi**</td><td>**82**</td></tr>**
6. **<tr><td>**Chetna**</td><td>**Singh**</td><td>**72**</td></tr>**
7. **</table>**

## HTML Table with Border

There are two ways to specify border for HTML tables.

By border attribute of table in HTML

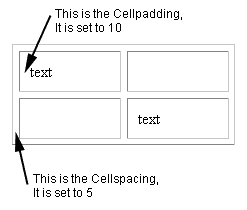
**1) HTML Border attribute**

You can use border attribute of table tag in HTML to specify border. But it is not recommended now.

1. **<table** border="1"**>**
2. **<tr><th>**First\_Name**</th><th>**Last\_Name**</th><th>**Marks**</th></tr>**
3. **<tr><td>**Sonoo**</td><td>**Jaiswal**</td><td>**60**</td></tr>**
4. **<tr><td>**James**</td><td>**William**</td><td>**80**</td></tr>**
5. **<tr><td>**Swati**</td><td>**Sironi**</td><td>**82**</td></tr>**
6. **<tr><td>**Chetna**</td><td>**Singh**</td><td>**72**</td></tr>**
7. **</table>**

**cellpadding and cellspacing**

There are two attributes called **cellpadding and cellspacing** which you will use to adjust the white space in your table cells. The **cellspacing** attribute defines space between table cells, while **cellpadding** represents the distance between cell borders and the content within a cell.



# rowspan Attribute

The rowspan attribute in HTML specifies the number of rows a cell should span. That is if a row spans two rows, it means it will take up the space of two rows in that table. It allows the single table cell to span the height of more than one cell or row. It provides the same functionality as “merge cell” in the spreadsheet program like Excel.

**Usage:**It can be used with <td> and <th> element in an [HTML Table](https://www.geeksforgeeks.org/html-tables/).

* **<td>:**The rowspan attribute when used with <td> tag determines the number of standard cells it should span.  
  **Syntax:**
* <td rowspan = "value">table content...</td>

The **value** specifies the number of rows that the cell fills. The value must be a integer.

# colspan Attribute

The colspan attribute in HTML specifies the number of columns a cell should span. It allows the single table cell to span the width of more than one cell or column. It provides the same functionality as “merge cell” in the spreadsheet program like Excel.

**Usage:**It can be used with <td> and <th> element while creating an [HTML Table](https://www.geeksforgeeks.org/html-tables/).

* **<td>:**The colspan attribute when used with <td> tag determines the number of standard cells it should span.  
  **Syntax:**
* <td colspan = "value">table content...</td>

The **value** specifies the number of columns that the cell fills. The value must be an integer.