

Tables in HTML

`<table>`: The `<table>` tag in HTML is used to create a table. Tables are a way of organizing data in rows and columns, and they are useful for arranging data in a structured manner which is easy to read and analyse.

Here's an example of a simple HTML table:

```
<table>
  <tr>
    <th>Header 1</th>
    <th>Header 2</th>
  </tr>
  <tr>
    <td>Item 1</td>
    <td>Item 2</td>
  </tr>
  <tr>
    <td>Item 3</td>
    <td>Item 4</td>
  </tr>
</table>
```

In this example, the `<table>` element is used as a container for the table. Inside the table, you can use the `<tr>` (table row) element to create rows of data, and the `<td>` (table data) element to create individual cells of data. The `<th>` (table header) element is used to create a header row that contains labels for the columns.

Header 1	Header 2
Item 1	Item 2
Item 3	Item 4

You can use the `<caption>` tag as well to give a caption to the table and *colspan* and *rowspan* to define how many columns or rows a cell should span. The following example illustrates the use of *rowspan*. The browser renders the table as follows:

```
<table>
  <caption>A simple table</caption>
  <tr>
    <th>Header 1</th>
    <th>Header 2</th>
    <th>Header 3</th>
```

```
</tr>

<tr>
  <td rowspan="3">Col 1</td>
  <td>Col 2, Cell 1</td>

  <td>Col 3, Cell 1</td>
</tr>

<tr>
  <td>Col 2, Cell 2</td>
  <td>Col 3, Cell 2</td>
</tr>

</table>
```

The browser renders the table as follows:

A simple table

Header 1	Header 2	Header 3
Col 1	Col 2, Cell 1	Col 3, Cell 1
	Col 2, Cell 2	Col 3, Cell 2

We can also see an example of *colspan* tag below:

```
<table>
  <caption>A simple table</caption>
  <tr>
    <th>Header 1</th>
    <th colspan="2">Header 2</th>
    <th>Header 3</th>
  </tr>
  <tr>
    <td>Item 1</td>
    <td>Item 2</td>
    <td>Item 3</td>
    <td>Item 4</td>
  </tr>
  <tr>
    <td>Item 5</td>
    <td>Item 6</td>
    <td>Item 7</td>
    <td>Item 8</td>
```

```
</tr>
<tr>
  <td>Item 9</td>
  <td>Item 10</td>
  <td>Item 11</td>
  <td>Item 12</td>
</tr>
</table>
```

The browser renders the table as follows with some styling:

A simple table

Header 1	Header 2		Header 3
Item 1	Item 2	Item 3	Item 4
Item 5	Item 6	Item 7	Item 8
Item 9	Item 10	Item 11	Item 12