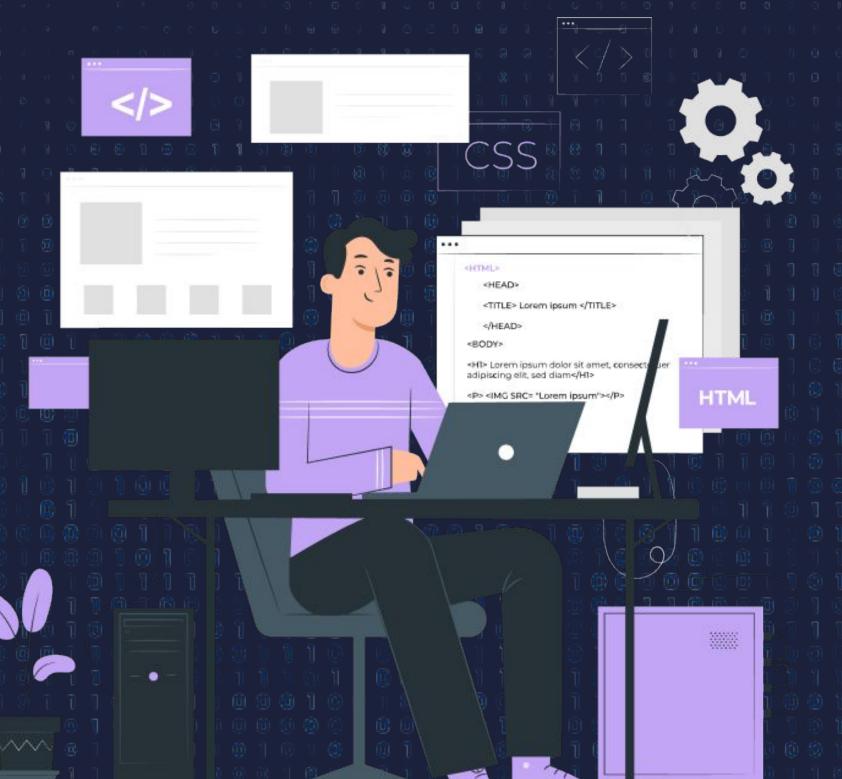# HTML Table

Topics Covered

- Introduction to <table> Tag

- Simple Table

- Expanding Cells

- Adding Caption

- Giving Structure to Table (thead, tfoot, tbody)

Simple Table

Let's say we have following Table Data

Name	Age	City
John	25	New York
Jane	30	Los Angeles
Michael	22	Chicago

Simple Table

Lets build table in HTML for given data step by step.

Step 1: Create Table headings

```
<table border="1">
    <tr>
        <th>Name</th>
        <th>Age</th>
        <th>City</th>
    </tr>
</table>
```

Name	Age	City

Simple Table

Step 2: Add one Row

```
<table border="1">
    <tr> <!— Heading —> </tr>
    <tr>
       <td>John</td>
       <td>25</td>
       <td>New York</td>
    </tr>
</table>
```

Name	Age	City
John	25	New York

Simple Table

Step 2: Similarly add all 3 Rows, and Table is Ready!

```
<table border="1">
  <tr>
    <th>Name</th>
    <th>Age</th>
    <th>City</th>
  </tr>

  <tr>
    <td>John</td>
    <td>25</td>
    <td>New York</td>
  </tr>

  <tr> ... </tr>
  <tr> ... </tr>
</table>
```

Name	Age	City
John	25	New York
Jane	30	Los Angeles
Michael	22	Chicago

Expanding Cells - colspan, rowspan

```html
<table border="1">
   <tr>...</tr>
   <tr>...</tr>
   <tr>...</tr>
   <tr>...</tr>
   <tr>...</tr>
   <tr>
      <td colspan="2">Sum</td>
      <td>$110.00</td>
   </tr>
</table>
```

Product Name	Brand	Price
Product 1	Brand 1	$10.00
Product 2	Brand 2	$20.00
Product 3	Brand 3	$30.00
Product 4	Brand 4	$50.00
Sum		$110.00

Adding a caption

```
<table border="1">
    <caption>
        Products Data
    </caption>

    <tr>...</tr>
    <tr>...</tr>
    <tr>...</tr>
    <tr>...</tr>
    <tr>...</tr>
</table>
```

Products Data		
Product Name	**Brand**	**Price**
Product 1	Brand 1	$10.00
Product 2	Brand 2	$20.00
Product 3	Brand 3	$30.00
Product 4	Brand 4	$50.00
Sum		$110.00

Giving Structure to Table

- caption
- thead
- tbody
- Tfoot

Note: Above tags does not add any semantic behaviour to the page.

```html
<table border="1">
        <caption>...</caption>

    <thead>
        <tr>...</tr>
    </thead>

    <tfoot>
        <tr>...</tr>
    </tfoot>

    <tbody>
        <tr>...</tr>
        <tr>...</tr>
    </tbody>
</table>
```