

# Tables in HTML

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## Creating Tables

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Use the `<table>` tag to create tables. Inside a table, use:

- `<tr>` for table rows
  - `<td>` for table data (cells)
  - `<th>` for table headers
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## Basic Table Example

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```
<table>
  <tr>
    <th>Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Alice</td>
    <td>24</td>
  </tr>
  <tr>
    <td>Bob</td>
    <td>30</td>
  </tr>
</table>
```

This will display:

Name	Age
Alice	24
Bob	30

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## Adding Borders

By default, tables have no border. Use the `border` attribute to add one.

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

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## Table Headings vs Data

- `<th>` is usually bold and centered.
- `<td>` is regular table data.

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## Spanning Columns and Rows

Use `colspan` and `rowspan` to merge cells.

### Column Span Example:

```
<tr>
  <th colspan="2">Employee Details</th>
</tr>
```

## Row Span Example:

```
<tr>
  <td rowspan="2">John</td>
  <td>Manager</td>
</tr>
<tr>
  <td>IT Department</td>
</tr>
```

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## Tip

- Keep your tables organized and easy to read.
- Use headers ( `<th>` ) for important rows or columns.
- Avoid very complex tables for layout—use CSS for page design.