

TABLES

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AFTER THIS PRESENTATION

- You'll able to construct a table

TABLES

HTML tables are a way to get a structured layout

To do this, several different tags work together

ELEMENTS WE WILL LOOK AT

The structure `<table> <thead> <tbody>`

The header `<th>`

The body `<tr> <td>`

STYLE PROPERTIES WE WILL LOOK AT

Table borders	<code>border</code>
Table width	<code>width</code>
Table height	<code>height</code>
Vertical alignment	<code>vertical-align</code>
Table padding	<code>padding</code>

TABLE STRUCTURE

```
<table>
```

```
<thead>
```

```
<tr> <th>...</th> <th>...</th> <th>...</th> </tr>
```

```
</thead>
```

```
<tbody>
```

```
<tr> <td>...</td> <td>...</td> <td>...</td> </tr>
```

```
<tr> <td>...</td> <td>...</td> <td>...</td> </tr>
```

```
</tbody>
```

```
</table>
```

A SIMPLE EXAMPLE

```
<table>
  <thead>
    <tr> <th>Skills</th> <th>Difficulty</th> <th>My Level</th> </tr>
  </thead>
  <tbody>
    <tr> <td>HTML</td> <td>Easy</td> <td>Some</td> </tr>
    <tr> <td>CSS</td> <td>Medium</td> <td>A little</td> </tr>
    <tr> <td>JavaScript</td> <td>Hard</td> <td>Zero</td> </tr>
  </tbody>
</table>
```

A SIMPLE EXAMPLE

Skills	Difficulty	My Level
HTML	Easy	Some
CSS	Medium	A little
JavaScript	Hard	Zero

COMMONLY USED STYLE PROPERTIES

- `color` for text color
- `text-align` for horizontal text alignment
- `border` for table borders
- `width` for table width
- `height` for table height
- `vertical-align` for vertical text alignment
- `padding` for table padding

USING STYLE

```
<html>
  <head>
    <style>
      table, td, th {border:1px solid black; padding:15px}
      td {color:purple}
    </style>
  </head>
  <body>
    <table>
      <tr><th>Menu</th><th>Price</th></tr>
      <tr><td>Snail pizza</td><td>$15</td></tr>
      <tr><td>Creative curry</td><td>$10</td></tr>
      <tr><td>Sloppy salmon</td><td>$20</td></tr>
    </table>
  </body>
</html>
```

Menu	Price
Snail pizza	\$15
Creative curry	\$10
Sloppy salmon	\$20

CLASS RULES

```
<html>
  <head> <style>
    table, td, th {border: 1px solid green; width:50%; text-align:center}
    .profit {text-align:left; background-color:lightblue}
    .zero {text-align:center; background-color:yellow}
    .loss {text-align:right; background-color:red}
  </style> </head>
  <body>
    <table>
      <tr><th>Product</th><th>Income</th><th>Cost</th><th>Difference</th></tr>
      <tr><td>Laptops</td><td>$300</td><td>$100</td><td class="profit">$200</td></tr>
      <tr><td>Stationary</td><td>$150</td><td>$150</td><td class="zero">$0</td></tr>
      <tr><td>Chairs</td><td>$50</td><td>$300</td><td class="loss">$250</td></tr>
    </table>
  </body>
</html>
```

CLASS RULES

Product	Income	Cost	Difference
Laptops	\$300	\$100	\$200
Stationary	\$150	\$150	\$0
Chairs	\$50	\$300	\$250

POSITIONING EXAMPLE

```
<html>
<head>  <style>
  table, td {border:1px solid black; width:80%; height:80%}
  td {width:33.33%; height:33.33%}
  .t {vertical-align:top} .m {vertical-align:middle} .b {vertical-align:bottom}
  .l {text-align:left} .c {text-align:center} .r {text-align:right}
</style>  </head>
<body>
  <table>
    <tr><td class="t l">1</td><td class="t c">2</td><td class="t r">3</td></tr>
    <tr><td class="m l">4</td><td class="m c">5</td><td class="m r">6</td></tr>
    <tr><td class="b l">7</td><td class="b c">8</td><td class="b r">9</td></tr>
  </table>
</body>
</html>
```

1	2	3
4	5	6
7	8	9

USING AN HTML EDITOR

