

</talentlabs>

CHAPTER 5

Tables





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AGENDA

- Tables
- Table Headers
- Column Width / Row Height
- Colspan / Rowspan

Tables

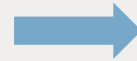




Tables

HTML tables allow web developers to arrange data into rows and columns.

```
<table>
  <tr>
    <td>Drinks</td>
    <td>Price</td>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>$2</td>
  </tr>
  <tr>
    <td>Tea</td>
    <td>$1</td>
  </tr>
</table>
```



Drinks	Price
Coffee	\$2
Tea	\$1

Reference

Tags	Explanation
<table>	Defines a table
<tr>	Defines a row in a table
<td>	Defines a cell in a table

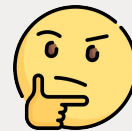


Tables

```
<table>
  <tr>
    <td>Drinks</td>
    <td>Price</td>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>$2</td>
  </tr>
  <tr>
    <td>Tea</td>
    <td>$1</td>
  </tr>
</table>
```



Drinks	Price
Coffee	\$2
Tea	\$1



The output above seems like a mere text.
How are tables different from normal text?



Tables

In order to visualize our tables better, we would be adding some borders to our table for better understanding. Explanations of how borders work will be given later in the CSS chapters.

Drinks	Price
Coffee	\$2
Tea	\$1

(A table with 3 rows and 2 columns)

```
<table>
  <tr>
    <td>Drinks</td>
    <td>Price</td>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>$2</td>
  </tr>
  <tr>
    <td>Tea</td>
    <td>$1</td>
  </tr>
</table>
```

Table Headers





Table Headers

Table Headers

Sometimes we want an entire row to act as headers for the respective columns

`<th>` defines a header cell in a table

```
<table>
  <tr>
    <th>Drink 1</th>
    <th>Drink 2</th>
    <th>Drink 3</th>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>Tea</td>
    <td>Milk</td>
  </tr>
</table>
```



Drink 1	Drink 2	Drink 3
Coffee	Tea	Milk



Table Headers

- Till now, we have only seen Headers appear at each column of the top row of the table (top horizontal)

EMIL	TOBIAS	LINUS

8:00		
9:00		
10:00		
11:00		
12:00		
13:00		

	MON	TUE	WED	THU	FRI
8:00					
9:00					
10:00					
11:00					
12:00					

DECEMBER		



Table Headers

Vertical Headers

```
<table>
  <tr>
    <th>Drink 1</th>
    <td>Drink 2</td>
    <td>Drink 3</td>
  </tr>
  <tr>
    <th>Coffee</th>
    <td>Tea</td>
    <td>Milk</td>
  </tr>
</table>
```



Drink 1	Drink 2	Drink 3
Coffee	Tea	Milk

Explanation:

To understand this simply, pick the first cell in each row and convert it into `<th>`. You will then have a vertical header.

Column Width / Row Height





Table Dimensions

- Similar to Image Dimensions, we would be learning some specific styling that is applied to tables. These can help us to manipulate column width and row height.
- In order to increase a column width, we specify the style in `<th>` or `<td>`
- In order to increase row height, we specify the style in `<tr>`.
- Let us see in-depth examples of both of these cases

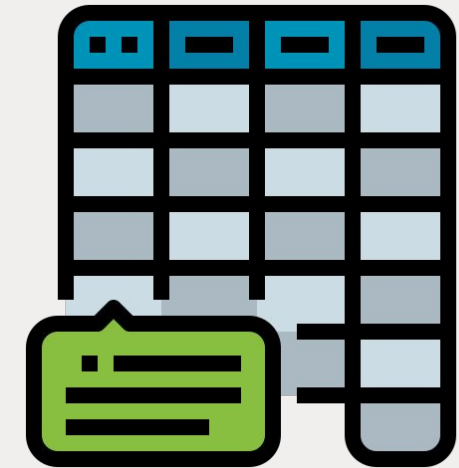




Table Dimensions

Let us use this example to play around.

```
<table>
  <tr>
    <th>Drink 1</th>
    <th>Drink 2</th>
    <th>Drink 3</th>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>Tea</td>
    <td>Milk</td>
  </tr>
</table>
```



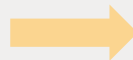
Drink 1	Drink 2	Drink 3
Coffee	Tea	Milk



Table Dimensions

Column Width

```
<table>
  <tr>
    <th style="width:70%">Drink 1</th>
    <th>Drink 2</th>
    <th>Drink 3</th>
  </tr>
  <tr>
    <td>Coffee</td>
    <td>Tea</td>
    <td>Milk</td>
  </tr>
</table>
```



Drink 1	Drink 2	Drink 3
Coffee	Tea	Milk

Explanation:

Usually, columns are divided in width equally (33%). However, now column 1 takes up 70% of the space, with the rest 30% being distributed equally between Column 2 and Column 3



Table Dimensions

Row Height

```
<table>
  <tr>
    <th>Drink 1</th>
    <th>Drink 2</th>
    <th>Drink 3</th>
  </tr>
  <tr style="height:100px">
    <td>Coffee</td>
    <td>Tea</td>
    <td>Milk</td>
  </tr>
</table>
```



Drink 1	Drink 2	Drink 3
Coffee	Tea	Milk

Explanation:

Usually, rows are divided in height equally. However, now row 2 takes up 100px of the space, whereas row 1 only takes up as much space as it needs.

Colspan / Rowspan



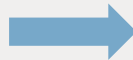


Table Colspan/ Rowspan

Example:

In this example, we can observe that there are 3 rows. However, the Phone header spans multiple rows. This is necessary because Jill has two phone numbers.

Student Name	Peter Chan
Class	Python
Class	JavaScript



Student Name	Peter Chan
Class	Python
	JavaScript



Table Colspan/ Rowspan

Colspan

```
<table>
  <tr>
    <th colspan="2">Name</th>
    <th>Gender</th>
  </tr>
  <tr>
    <td>Peter</td>
    <td>Chan</td>
    <td>M</td>
  </tr>
</table>
```



Explanation:

`colspan="2"` instructs the table to stretch the cell to fill two columns.

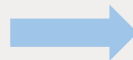
Name		Gender
Peter	Chan	M



Table Colspan/ Rowspan

Rowspan

```
<table>
  <tr>
    <th rowspan="2">Scores</th>
    <td>English</td>
    <td>Maths</td>
    <td>Science</td>
  </tr>
  <tr>
    <td>70</td>
    <td>80</td>
    <td>90</td>
  </tr>
</table>
```



Scores	English	Maths	Science
	70	80	90

Explanation:

rowspan="2" instructs the table to stretch the cell to fill two columns.

That's all for this module!

THANK YOU!

