COURSEWARE

Tables

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Overview

Tables in general are a great way of displaying data. The use of tables gives us a great way to show data, making it easy to understand and be able to pick out important information.

Tutorial

When working with HTML tables we need to ensure that all other tags associated with `<table>` are wrapped around them.

- After the opening `<table>` we then create a table row `<tr>`.
- We then have the option to either use `<th>` or `<td>`.
  - `<th>` - Used for table heading (make the heading bold).
  - `<td>` - Used for entering data e.g. score is 50.

Below is an example of a very simple table which does not contain any data.

```html
<!DOCTYPE html>
<html>
<body>
<h2>Heading HTML Table</h2>
<table>
  <tr>
    <th>Student Name</th>
    <th>Subject</th>
    <th>Score</th>
  </tr>
```

Student Name	Subject	Score

The basic syntax that we use when creating tables is below:

Tag	Description
`<tr>`	Table row
`<td>`	Table data (i.e. a normal cell)
`<th>`	Table heading (i.e. a header cell)
`<caption>`	Table caption
`<thead>`	Groups header content in a table
`<tbody>`	Groups body content in a table
`<tfoot>`	Groups footer content in a table

Tag	Description
`<colgroup>`	Specifies one or more columns for formatting
`<col>`	Specifies column properties for each column within

```html
<!DOCTYPE html>
<html>
<body>
<h2>Basic HTML Table</h2>
<table>
  <tr>
    <th>Firstname</th>
    <th>Lastname</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>John</td>
    <td>Doe</td>
    <td>80</td>
  </tr>
</table>
</body>
</html>
```

Will produce the following:

Firstname	Lastname	Age
Jim	Beans	50
John	Smith	80

Exercises

1. Create a table that has 5 headings which are `id`, `firstName`, `secondName`, `email` and gender. Also add 5 records into the table.

id	firstName	secondName	email	gender
1	Bob	Cat	bob.cat@email.com	Male

   ▶ Solution