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.

Creating a HTML Table

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:

```
<!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>First Name</th>
    <th>Last Name</th>
    <th>Age</th>
  </tr>
  <tr>
    <td>Jill</td>
    <td>Smith</td>
    <td>50</td>
  </tr>
  <tr>
    <td>Bill</td>
    <td>Steves</td>
    <td>33</td>
  </tr>
</table>
</body>
</html>
```

Will produce the following:

First Name	Last Name	Age
Jill	Smith	50
Bill	Steves	33

Tutorial

There is no tutorial for this module.

Exercises

1. Create a table that has 4 headings; `id`, `firstName`, `secondName`, and `email`. Add 5 records to this newly created table.

   ▼ Solution

   ```html
   <table>
   <thead>
   <tr>
       <th>id</th>
       <th>firstName</th>
       <th>secondName</th>
       <th>email</th>
   </tr>
   </thead>
   <tbody>
   <tr>
       <td>1</td>
       <td>Bob</td>
       <td>Cat</td>
       <td>bob.cat@email.com</td>
   </tr>
   </tbody>
   </table>
   ```