

Professional Skills
Agile Fundamentals
Jira
Git
DevOps
Cloud Fundamentals
Databases Introduction
Java Beginner
Maven
Testing (Foundation)
Java Intermediate
HTML <ul style="list-style-type: none">Introduction to Web DevelopmentHypertext Markup LanguageTagsStructural ElementsMetadataRunning a Web Server with VSC Live ServerHeadings and paragraphsText FormattingAttributesImagesHyperlinksFormsListsTablesIframes
CSS
Javascript
Spring Boot
Selenium
Sonarqube

Tables

Contents

- [Overview](#)
- [Creating a HTML Table](#)
- [Tutorial](#)
- [Exercises](#)

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

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

Advanced Testing (Theory)
Cucumber
MongoDB
Express
NodeJS
React
Express-Testing
Pre-Project Assessment
Markdown
IDE Cheatsheet

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

```
<!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

```
<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>
```