

LABSHEET 06

Module

Front-end
Web
Development

Module Code

IT43004FP

Duration

3 hours

Title:

Explore HTML5 Semantic Elements and Table

Objective(s):

At the end of these lessons, students will be able to.

- create HTML5 semantic elements and table.

Tools, Equipment and Materials:

- 1 Personal Computer with Internet access
- 2 Web browser
- 3 Visual Studio Code (VSC)

Instructions:

Part A – Get Ready Visual Studio Code

- 1 In Visual Studio Code, click **File** > **New File** to create and save a new file called *index.html* and titled *HTML5 Semantic Elements and Table*.
- 2 Add the following CSS code to the `<head>` section of *index.html*.

LABSHEET 06

Module

Front-end
Web
Development

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```
<style>
aside {
  width: 30%;
  padding-left: 15px;
  margin-left: 15px;
  float: right;
  font-style: italic;
  background-color: lightgray;
}
table {
  font-family: arial, sans-serif;
  border-collapse: collapse;
  width: 100%;
}
td, th {
  border: 1px solid #dddddd;
  text-align: left;
  padding: 8px;
}
tr:nth-child(even) {
  background-color: #dddddd;
}
</style>
```

Part B – Explore HTML5 Semantic Elements

1. In the `<body>`, add the following code to create a `<header>` content:

```
<header>
  <h1>HTML Semantic Elements and Table</h1>
</header>
```

2. Continue to add the following code to create an `<aside>` content:

LABSHEET 06

Module

Front-end
Web
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<aside>

<p>A web browser (commonly referred to as a browser) is application software for accessing the World Wide Web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.</p>

<p>A web browser is not the same thing as a search engine. A search engine is a website that provides links to other websites. However, to connect to a website's server and display its web pages, a user must have a web browser installed.</p>

<p>Web browsers are used on a range of devices, including desktops, laptops, tablets, and smartphones. In 2020, an estimated 4.9 billion people used a browser. The most used browser is Google Chrome, with a 64% global market share on all devices, followed by Safari with 19%.</p>

</aside>

LABSHEET 06

Module

Front-end
Web
Development

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IT43004FP

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3. Continue to add the following code to create a [<section>](#) content that includes a combination of [<header>](#), [<nav>](#), and [<article>](#):

```
<section>
  <header>
    <h1>Types of Web Browser</h1>
  </header>
  <nav>
    <a href="#">HTML</a> |
    <a href="#">CSS</a> |
    <a href="#">JavaScript</a> |
    <a href="#">jQuery</a>
  </nav>
  <article>
    <h3>Chrome</h3>
    <p>Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!</p>
  </article>
  <article>
    <h3>Firefox</h3>
    <p>Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser since January, 2018.</p>
  </article>
  <article>
    <h3>Edge</h3>
    <p>Edge is a web browser developed by Microsoft, released in 2015. Microsoft Edge replaced Internet Explorer.</p>
  </article>
</section>
```

4. Continue to add the following code to create a [<footer>](#) content:

```
<footer>
  <p>Author: Your name</p>
  <p><a href="mailto:your_name@example.com">your_name@example.com</a></p>
</footer>
```

LABSHEET 06

Module

Front-end
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Development

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IT43004FP

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5. Save and preview your webpage which should look as follows:

HTML Semantic Elements and Table

Types of Web Browser

[HTML](#) | [CSS](#) | [JavaScript](#) | [jQuery](#)

Chrome

Chrome is a web browser developed by Google, released in 2008. Chrome is the world's most popular web browser today!

Firefox

Firefox is an open-source web browser developed by Mozilla. Firefox has been the second most popular web browser since January, 2018.

Edge

Edge is a web browser developed by Microsoft, released in 2015. Microsoft Edge replaced Internet Explorer.

Author: Your name

your_name@example.com

A web browser (commonly referred to as a browser) is application software for accessing the World Wide Web. When a user requests a web page from a particular website, the web browser retrieves the necessary content from a web server and then displays the page on the user's device.

A web browser is not the same thing as a search engine. A search engine is a website that provides links to other websites. However, to connect to a website's server and display its web pages, a user must have a web browser installed.

Web browsers are used on a range of devices, including desktops, laptops, tablets, and smartphones. In 2020, an estimated 4.9 billion people used a browser. The most used browser is Google Chrome, with a 64% global market share on all devices, followed by Safari with 19%.

Part C – Insert an HTML Table

1. Add the following code to create a section of [HTML table](#):

```
<p>Edge is a web browser developed by Microsoft,
released in 2015. Microsoft Edge replaced Internet
Explorer.</p>
</article>
</section>

<section>
  <table>
    <caption>Popularity of Web Browser</caption>
    <tr><th>Browser</th><th>Market Share (May 2021)</th>
    </tr>
    <tr><td>Chrome</td><td>64.75%</td></tr>
    <tr><td>Firefox</td><td>3.37%</td></tr>
    <tr><td>Edge</td><td>3.36%</td></tr>
  </table>
</section>

<footer>
  <p>Author: Your name</p>
```

LABSHEET 06

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2. Save and preview your webpage which should look as follows:

HTML Semantic Elements and Table

Types of Web Browser

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| Browser | Market Share (May 2021) |
|---------|-------------------------|
| Chrome | 64.75% |
| Firefox | 3.37% |
| Edge | 3.36% |

Author: Your name
your_name@example.com

- END -

Submitted by:

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Class: CC2201F

