

Full Stack + AI Web Engineer Course

First Hands-on Activity

Setting up Chrome Browser and VS Code

1. Open your current browser and go to <https://www.google.com/chrome/> to download Google Chrome.
2. Install Chrome following instructions for your operating system.
3. Next, visit <https://code.visualstudio.com/> to download Visual Studio Code (VS Code).
4. Install VS Code and open it.
5. Explore the interface: File Explorer, Search, Source Control, Debugging, Extensions.
6. Install useful extensions: Live Server, Prettier, HTML CSS Support.

Writing Your First HTML Page

1. Create a folder named 'first_project' on your desktop.
2. Open VS Code → File > Open Folder → select 'first_project'.
3. Create a file named index.html and paste the following:

```
<!DOCTYPE html>
<html>
<head>
  <title>Danish Abdullah</title>
</head>
<body>
  <h1>Welcome to my website!</h1>
  <p>This is my very first web page.</p>
  <b>Bold text</b><br>
  <i>Italic text</i><br>
  <u>Underlined text</u><br>
  <a href="https://www.google.com">Visit Google</a><br>
  <br>

  <h2>Ordered List</h2>
  <ol>

    <li>Apple</li>
    <li>Banana</li>
    <li>Mango</li>
  </ol>
```

```
<h2>Unordered List</h2>
```

```
<ul>
```

```
<li>Red</li>
```

```
<li>Blue</li>
```

```
<li>Green</li>
```

```
</ul>
```

```
<hr>
```

```
<!-- This is a comment -->
```

```
</body>
```

```
</html>
```

4. Save the file.

5. Now open your file in chrome browser.

6. Your browser will show the webpage.

Homework & Practice

Practice Tasks for Students

1. Create about.html with your name, a paragraph about why you joined, and a link back to index.html.
2. Create contact.html with a form: Name, Email, Message, Submit button.
3. Add a table showing your weekly schedule.
4. Use bold, italic, underline tags in your text.
5. Explore Chrome DevTools (Inspect element).
6. Try changing text/styles directly in the browser.
7. Add another image with alt text.

Reflection Questions (this is not a written work but only for thinking/verbal)

1. What steps did you take to create your first web page?
2. What did you learn about different HTML tags?
3. Which HTML tag did you enjoy using the most and why?
4. How would you explain HTML to a beginner?
5. What challenges did you face while doing tasks?

Glossary of Terms (Beginner-friendly)

Term	Definition
Browser	A software application to access and view websites.
Server	A computer that stores and delivers websites.
IP Address	A unique number identifying a device on a network.
HTML	HyperText Markup Language, used to structure web pages.
CSS	Cascading Style Sheets, used for styling web pages.
VS Code	A popular code editor for web development.
Extension	Add-ons for VS Code that add features.
Live Server	A VS Code extension to preview websites live.
Tag	An HTML element like <code><p></code> , <code><h1></code> , <code><a></code> .
Attribute	Extra info in tags, like <code>src</code> , <code>href</code> , <code>alt</code> .
Hyperlink	A clickable link to another page.
Form	A section to collect user input (text, email).
Comment	Notes in code, not shown on webpage.