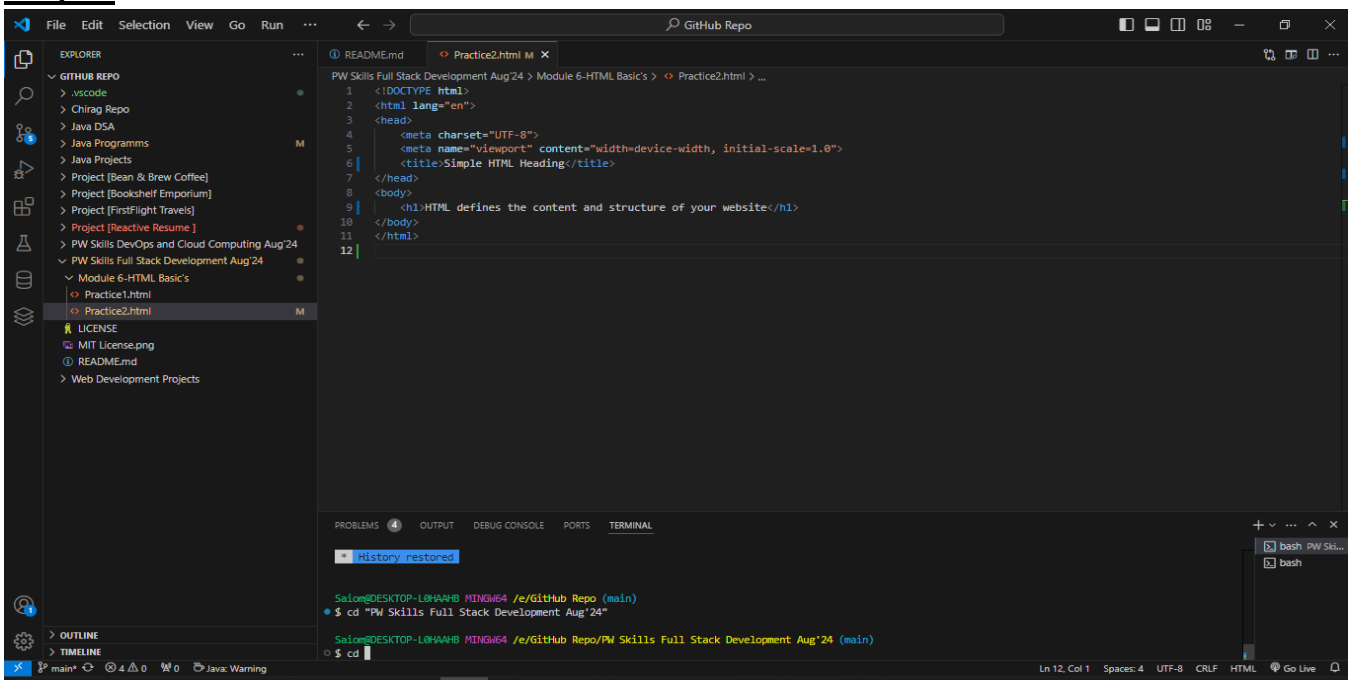
Module -6 Assignment

Q1.) Write a simple program in HTML that displays the heading "HTML defines the content and structure of your website" on the web browser?

Output-



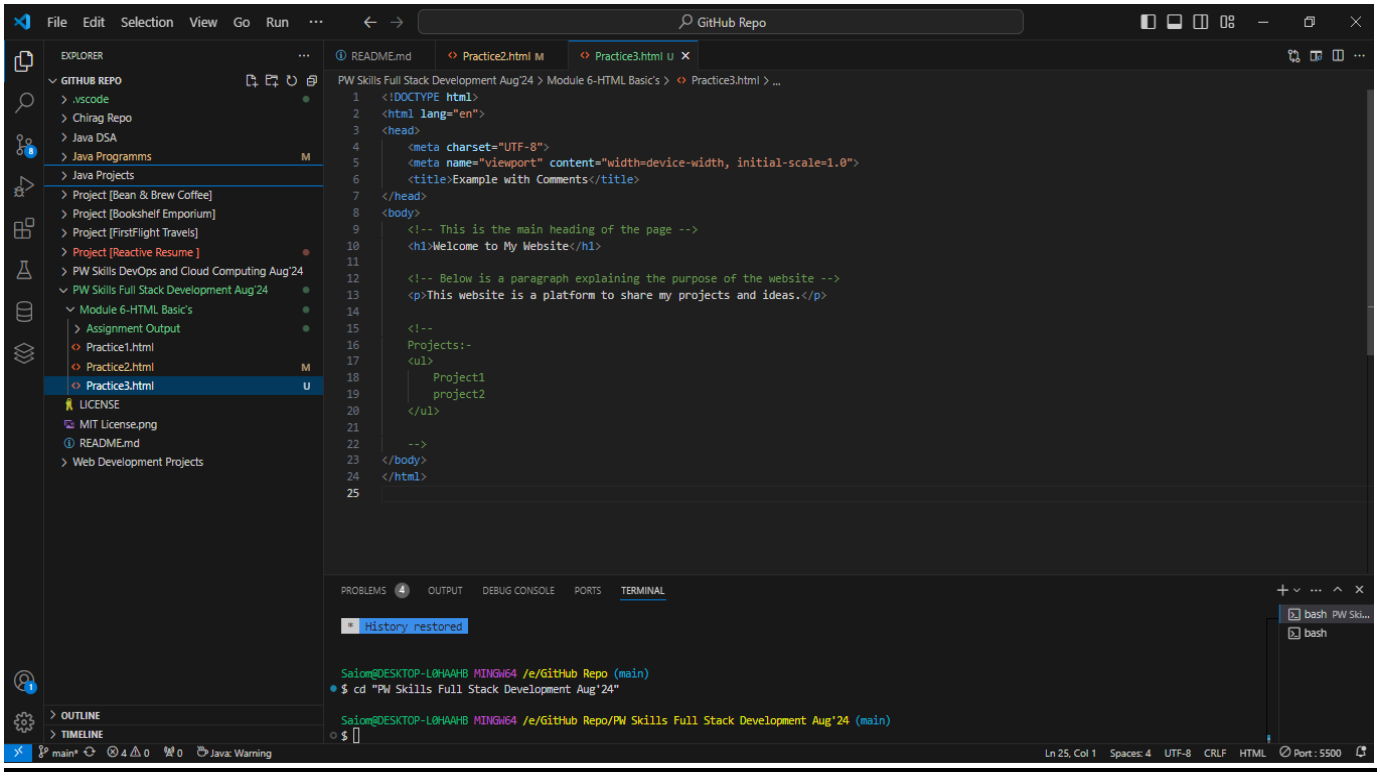
HTML defines the content and structure of your website

Q2.) Explain the purpose of comments in HTML and provide an example of how to use comments in an HTML document?

Comments in HTML are used to leave notes, explanations, or reminders within the code that will not be displayed in the web browser. They are especially useful for:

- **Documenting Code**: Providing descriptions of sections of the code, making it easier for others (or yourself) to understand the structure and purpose of the code.
- **Debugging**: Temporarily disabling code without deleting it, allowing you to test and troubleshoot different parts of your HTML.
- **Organization**: Clearly separating different sections of your HTML file for better readability and maintenance.

Output-

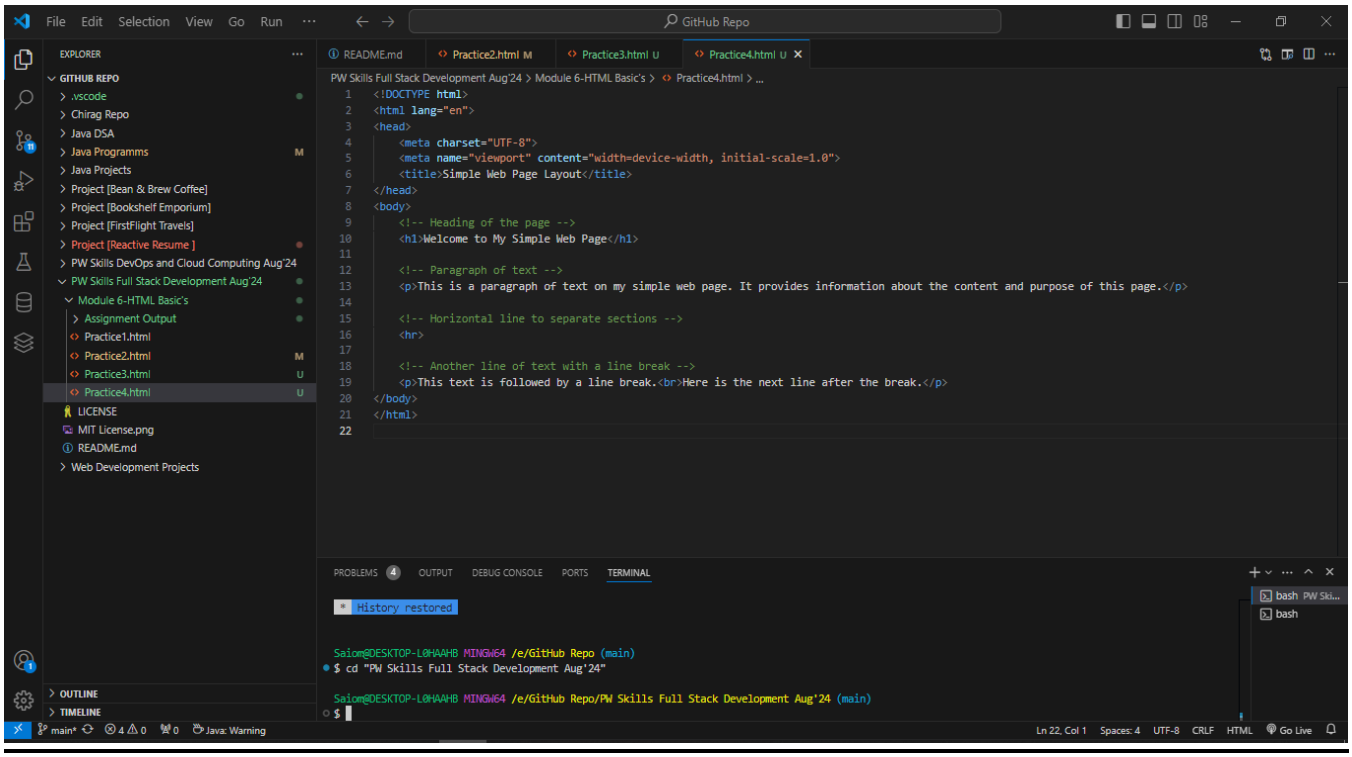


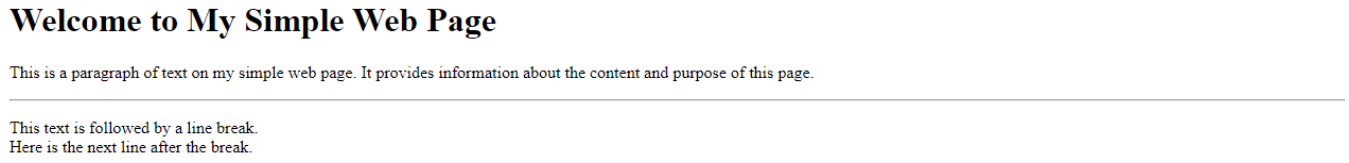
Welcome to My Website

This website is a platform to share my projects and ideas.

Q3.) Write an HTML program that includes a heading, a paragraph of text, a horizontal line, and a line break. Arrange these elements to create a simple web page layout?

Output-





Q4.) Write a short note on Tag and element with an example?

Tag

A tag in HTML is a keyword or label enclosed in angle brackets (< >) that defines the start and end of an HTML element. Tags tell the browser how to interpret and display the content on the web page.

Tags usually come in pairs: an opening tag (e.g.,) and a closing tag (e.g.,). The opening tag begins an element, and the closing tag ends it. Some tags, like <img> or <br>, are self-closing and don't need an end tag.

Element

An element in HTML is the combination of a tag and the content it contains. It is the complete structure that includes the opening tag, content, and closing tag.

- **Tag**:
  - is the opening tag.
  - is the closing tag.
- **Element**:
  - This is a paragraph. is the complete paragraph element, including the opening tag, the content ("This is a paragraph."), and the closing tag.

Q5.) What is the DOCTYPE Declaration in HTML?

The DOCTYPE declaration in HTML is an instruction to the web browser about what version of HTML the page is written in. It helps the browser to correctly interpret and render the content of the web page.

Code:- <!DOCTYPE html>

<!DOCTYPE html>: This declaration tells the browser that the document is an HTML5 document. HTML5 is the current standard, and this is the recommended DOCTYPE to use.