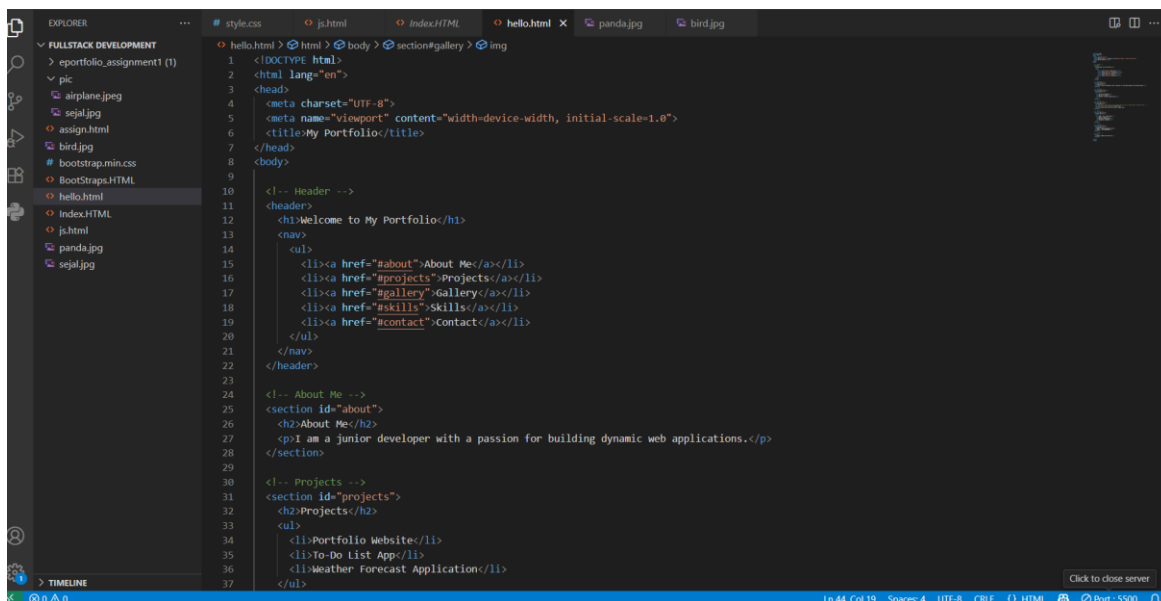HTML

The common language used to design and adopt structured web pages is HTML (Hyper Text Markup Language). It gives the fundamental structure of a web page, identifying the items in a web page, like headings, paragraphs, pictures, links, & table, form items using tags. Unlike a programming language, HTML is a markup language & therefore is not aimed at logic & calculations but at the organisation & presentation of content. A typical HTML document consists of 2 major parts: the head section with metadata & the page title as well as a link to document styles or scripts & the body, where the content shown is presented to the users. One thing about HTML is it uses tags in its syntax, and these each sit between a pair of angle brackets. As an example, disabling this paragraph/section in HTML is written like this:<p> this is a paragraph. </p> HTML documents have scheme where the 1st line is <!DOCTYPE html>, & then <html>, <head> and <body> briefs the backend. Also, HTML provides aboutness by the use of an attribute, a descriptor that describes something about the elements, such as the (src) attribute in the image tag <img>.

The new HTML, referred to as HTML5, has brought such semantic markup as <header>, <footer>, <section>, and <article> to render content more meaningful & to create accessible & search engine-friendly websites. HTML can be used together with CSS (to design websites & style them) & JavaScript (to provide dynamic behaviour & interactivity) in order to make websites complete & user-friendly. HTML is technically the backbone of any web page upon which style & functionality are based.

Example:

Output:

Welcome to My Portfolio

- About Me
- Projects
- Gallery
- Skills
- Contact

About Me

I am a junior developer with a passion for building dynamic web applications.

Projects

- Portfolio Website
- To-Do List App
- Weather Forecast Application

Gallery

My Skills

- HTML, CSS, JavaScript
- React & Node.js
- Database Management
- Responsive Design

Contact

Email: myemail@example.com

Phone: +977-98XXXXXXX

This section confirms the successful knowledge of the basic principle of HTML as compared to its structure, semantic tags, forms & multimedia. All the examples include descriptions to make the users conscious of how each of the HTML tags collaborates to create a functioning webpage.

Citation:

W3C (n.d.) HTML Introduction. Available at: https://www.w3schools.com/html/html_intro.asp

(Accessed: 15 January 2025).