JAVASCRIPT

HTML and CSS Basics

- Introduction to HTML:

    - Explanation of HTML (Hypertext Markup Language)

    - Basic structure of an HTML document (DOCTYPE declaration, html, head, body)

    - HTML elements, tags, and attributes

    - Text formatting (headings, paragraphs, emphasis)

- Hands-on Practice:

    - Creating a simple HTML document

    - Adding text elements, headings, and paragraphs

- Introduction to CSS:

    - Explanation of CSS (Cascading Style Sheets)

    - CSS syntax (selectors, properties, values)

    - Inline, internal, and external CSS

    - Styling text (font properties, text alignment, text decoration)

- Hands-on Practice:

    - Adding CSS styles to HTML elements

    - Styling text, changing fonts, alignment, and decoration

    - Adding colors and backgrounds to HTML elements

JavaScript Basics

- Introduction to JavaScript:

    - Explanation of JavaScript and its role in web development

    - Basic syntax (variables, data types, operators)

    - Control structures (if statements, loops)

- Hands-on Practice:

    - Writing simple JavaScript scripts

    - Declaring variables, performing basic arithmetic operations

    - Using conditional statements to control program flow

- Working with Functions and Events:

    - Declaring functions, parameters, and return statements

    - Understanding the Document Object Model (DOM)

    - Accessing HTML elements using JavaScript

- Handling events using event listeners

- Hands-on Practice:

  - Writing JavaScript functions to perform tasks

  - Manipulating HTML elements dynamically using JavaScript

  - Adding event listeners to HTML elements for interactivity

JavaScript Basics

- Working with Arrays and Objects:

  - Introduction to arrays and objects in JavaScript

  - Array methods (push, pop, shift, unshift, etc.)

  - Object properties and methods

- Hands-on Practice:

  - Creating and manipulating arrays and objects in JavaScript

  - Using array methods to perform operations on arrays

- Introduction to Asynchronous JavaScript:

  - Understanding asynchronous programming and callbacks

  - Introduction to Promises and async/await

  - Making asynchronous requests using fetch API

- Hands-on Practice:

  - Writing asynchronous JavaScript code using Promises and async/await

  - Making HTTP requests and handling responses asynchronously

  - Building interactive web applications with JavaScript and asynchronous programming.