

Day 8 - JavaScript Basics (Variables, Input, Output)

Overview:

JavaScript (JS) is the programming language of the web. It makes websites interactive and dynamic. On Day 8, students will learn the basics of variables, data types, and simple input/output operations. **Key Concepts:**

- Including JavaScript in HTML:

`<script> alert("Hello, World!"); </script>` - **Variables:** Used to store values.

`let name = "John"; // string`

`let age = 20; // number`

`let isStudent = true; // boolean`

- Output Methods:

- Alert Box: `alert("Welcome to JavaScript!");`

- Console Log: `console.log("Debug message");`

- Document Write: `document.write("Hello Web!");`

- Input from User:

`let userName = prompt("Enter your name:");`

`alert("Hello, " + userName);`

Hands-On Practice:

- Write a script that asks the user for their name using `prompt()` and then displays a greeting message using `alert()`. **Learning Outcome (Day 8):**

By the end of Day 8, students will:

- Understand JavaScript variables and data types.

- Use `alert`, `console.log`, and `prompt` for input/output.

- Write a basic interactive script.