JavaScript: A Smarter Way

Table of Contents

Chapter 1: Pop-ups and Debugging

alert() shows pop-up messages. console.log() prints messages to the console.

Chapter 2: Storing Data

Variables store data. Example: let, var, const.

Chapter 3: Understanding Data

JavaScript has strings, numbers, booleans, objects, arrays.

Chapter 4: Performing Operations

Operators: +, -, *, /, %, ==, ===, >, <.

Chapter 5: Making Decisions

If/Else statements check conditions.

Chapter 6: Multiple Choices

Switch statement simplifies multiple conditions.

Chapter 7: Repeating Tasks

Loops (for, while, do…while) repeat actions.

Chapter 8: Reusable Code

Functions are reusable blocks of code.

Chapter 9: Key-Value Pairs

Objects hold data in key-value pairs.

Chapter 10: Lists of Data

Arrays store multiple values in a list.

Chapter 11: Interactive Web Pages

DOM Events respond to user actions.

Chapter 12: Modern JavaScript

ES6 features: arrow functions, template literals, etc.

Chapter 13: Asynchronous Programming

Promises & async/await handle async code.

Chapter 14: Storing Data in Browser

LocalStorage stores data persistently in browser.

Chapter 15: Practice with Projects

Build Calculator, To-Do App, Weather App.