

JavaScript Basics

Understanding Syntax and Structure

What is JavaScript Syntax?

JavaScript syntax refers to the set of rules that govern the structure of JavaScript code. It includes rules for writing variables, functions, loops, conditional statements, and more.

Basic Structures of JavaScript

Statements

A JavaScript program consists of statements, expressions, and keywords/reserved words.

Examples include:

- Variable declarations: `let x = 5;`
- Function calls: `console.log("Hello");`
- Conditional statements: `if (x > 5);`

Basic Structures of JavaScript

Expressions

Expressions evaluate to a value.

Examples include:

- Arithmetic expressions: `2 + 3`
- String expressions: `"Hello" + " World"`
- Logical expressions: `x > 5 && y < 10`

Basic Structures of JavaScript

Keywords/Reserved Words

Keywords are reserved words that have special meanings in JavaScript.

Examples include:

- let, const, var for variable declarations
 - function for function declarations
- if, else, switch for conditional statements
 - for, while for loops

Conclusion

- Summary: JavaScript syntax and structure are essential for building dynamic web applications.
- Call-to-Action: Practice writing JavaScript code to become proficient.