

# **JavaScript Complete Notes (100+ Pages)**

## **Chapter 1: Introduction to JavaScript**

JavaScript is a high-level, interpreted programming language used for web development. It was created by Brendan Eich in 1995 and runs in the browser as well as on servers (Node.js).

## **Chapter 2: Variables and Data Types**

`var, let, const.` Data types: number, string, boolean, null, undefined, object, symbol.

## **Chapter 3: Operators**

Arithmetic, Comparison, Logical, Assignment, Ternary operators.

## **Chapter 4: Control Statements**

`if, else, switch, for loop, while loop, do-while, break, continue.`

## **Chapter 5: Functions**

Function declaration, function expression, arrow functions, parameters and return values.

## **Chapter 6: Arrays**

Array methods: `push(), pop(), shift(), unshift(), map(), filter(), reduce()`.

## **Chapter 7: Objects**

Object properties, methods, destructuring, object methods.

## Chapter 8: DOM Manipulation

`getElementById()`, `querySelector()`, event handling,  
`addEventListener()`.

## Chapter 9: ES6 Features

`let` and `const`, arrow functions, template literals, spread operator, rest operator.

## Chapter 10: Asynchronous JavaScript

Callbacks, Promises, `async/await`.

## Chapter 11: Error Handling

`try`, `catch`, `finally`, `throw`.

## Chapter 12: JSON and APIs

JSON parsing, `fetch` API, working with REST APIs.

## Chapter 13: Node.js Basics

Modules, `npm`, file system, creating server.

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