

# 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.

## 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.

## 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.

## 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.



## 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.

## 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.

## 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.

## 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.



## 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.

## 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.

## 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.

## 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.