

Introduction to JavaScript

JavaScript (JS) is a lightweight interpreted (or just-in-time compiled) programming language with first-class functions.

Requirement. NodeJs.

Download link: <https://nodejs.org/en/download/package-manager/current>

Test Node version.

verifies the right Node.js version is in the environment

`node -v` # should print `v22.3.0`

verifies the right NPM version is in the environment

`npm -v` # should print `10.8.1`

Resources.

1. Official JS documentation.

The official JavaScript documentation on MDN Web Docs is a comprehensive resource that provides in-depth information about the JavaScript programming language, including its syntax, data structures, and key concepts. The documentation covers everything from basic elements, such as variables and functions, to more advanced topics like asynchronous programming and Web APIs. It includes detailed references for all JavaScript objects, methods, and properties, along with practical examples and guides to help both beginners and experienced developers effectively use JavaScript. Additionally, it offers resources on related technologies, such as HTML, CSS, and various browser APIs, ensuring a well-rounded understanding of web development.

For more details, you can explore the official [JavaScript documentation on MDN](<https://developer.mozilla.org/en-US/docs/Web/JavaScript>).

2. Codecademy(Introduction to JavaScript).

Codecademy's "Introduction to JavaScript" course is designed for beginners to learn the fundamentals of JavaScript, including data types, functions, arrays, and loops. The course offers 11 lessons, 12 projects, and 9 quizzes, providing hands-on experience and practical coding skills.

It features interactive learning tools, such as an AI learning assistant and a mobile-friendly IDE, to support learners in building a solid foundation in JavaScript, which is essential for web development, game development, and other programming fields.

For more information, you can visit the [course page](<https://www.codecademy.com/learn/introduction-to-javascript>).

3. Careerfoundry(Introduction to JavaScript)

The CareerFoundry tutorial "An Introduction to JavaScript" is designed for beginners in web development. It covers the basics of JavaScript, emphasizing its role in creating dynamic and interactive web content. The tutorial starts with fundamental concepts, such as variables, data types, and operators, before progressing to more advanced topics like functions, loops, and event handling. It includes practical examples and exercises to reinforce learning and ensure users can apply JavaScript to real-world scenarios. The tutorial aims to build a strong foundation in JavaScript, preparing learners for further study and application in web development projects.

<https://careerfoundry.com/en/tutorials/web-development-for-beginners/an-introduction-to-javascript>