

Course Name : LEARN JAVASCRIPT IN A DAY
Duration : 1 day (Physical Classroom / Virtual Live Instructor)
Skill Level : Beginner

COURSE DESCRIPTION:

"Learn JavaScript in a day" is a dynamic, hands-on, one-day training designed to introduce absolute beginners to the fundamentals of JavaScript programming and its modern capabilities. This course starts with an introduction to JavaScript, its history, and its role in web development, alongside a demonstration of using the JavaScript console and developer tools in various browsers. Participants will gain a practical understanding of control structures, loops, and how to manage program flow effectively.

The course progresses to core programming concepts like functions, including variable scopes, anonymous functions, and modern ES6+ features such as arrow functions, template literals, and de-structuring. The final module delves into advanced yet essential topics like JavaScript classes, inheritance, and modules. By the end of the day, attendees will have a strong foundation in JavaScript, enabling them to start building interactive and dynamic web pages confidently.

WHAT WILL YOU LEARN?

In this one-day crash course, you will build a strong foundation in JavaScript, covering everything from basic syntax and control flow to advanced ES6+ features like arrow functions, de-structuring, and classes. You'll learn to write clean, functional code and gain practical experience using JavaScript in web development. By the end of the course, you'll have the confidence to create dynamic, interactive web pages and be well-prepared to dive into popular JavaScript frameworks like **Angular, React, Vue, or Express** for advanced development.

PREREQUISITE:

This course is designed for absolute beginners with **no prior programming experience**.

METHODOLOGY:

This program will be conducted with interactive lectures, PowerPoint presentations, discussions, and practical exercises. This course can be conducted as instructor-led (ILT) or virtual instructor-led training (VILT).

JOB SCOPE:

Upon completion of this course, candidates may pursue the following career paths:

- Frontend Developer
- Web Developer
- Backend Developer
- JavaScript Engineer

MODULE 1: INTRODUCTION TO JAVASCRIPT

- Welcome
- Intro to JavaScript
- History of JavaScript
- The JavaScript Console
- Developer Tools on Different Browsers
- console.log
- JavaScript Demo

MODULE 2: CONTROL FLOW, AND ARRAYS

- Control structures: if, else,
- Control structures: else if, and switch statements.
- Loops: for, while,
- Loops: do...while.

MODULE 3: FUNCTIONS

- Defining functions
- Variable Scopes
- Inline Function
- Function expressions
- Anonymous Functions

MODULE 4: MODERN JAVASCRIPT (ES6)

- Variable Declaration
- Constant Declaration
- Arrow Function Syntax
- Template Literals
- Implicit Returns
- Key/Property Shorthand
- Method Definition Shorthand
- De-Structuring (Object Matching)
- Array Iteration (Looping)
- Default Parameters
- Spread Syntax
- Classes/Constructor Functions
- Inheritance
- Modules – Export/Import
- Promises & Callbacks

CONCLUSION

- QA
- Useful References and Books
- Feedback