

Training | Javascript advance 10 Hours Course

**Course:** Javascript advance 10 Hours Course

**Duration:** 10 hours with demos and hands-on labs

**Focus:** Javascript advance 10 Hours Course with closures , prototype chain , \_\_proto\_\_ , curry function , ES6 features , let and const , classes , modules , ES5 prototype inheritance and many more ...

**Targeted Audience:**

Gain an advanced understanding of the core mechanics of how JavaScript compiles, optimizes, and executes in the browser.

**Language / Tools:** Javascript, Sublime, Node, Git

**React js** course has been designed for Client- Side Developer, Web Developer, Web Designers.

### • Course Objectives: What You'll Learn

Kyle Simpson, author of the "You Don't Know JavaScript" book series, details the inner workings of JavaScript in extreme detail. Gain an advanced understanding of the core mechanics of how JavaScript compiles, optimizes, and executes in the browser. This is your chance to get an "under the hood" intimate working knowledge of JavaScript. Course materials are available at <https://frontendmasters.com/assets/resources/kylesimpson/advanced-javascript.zip>

**Course Structure:** This program is an experiential program to develop knowledge and skills through practical examples

### • Audience & Prerequisites: Who Should Attend

Participants of this program should have good understanding of HTML & Javascript.

## Workshop Topics Covered

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Legend: [P] – Presentation, [D] – Demo, [L] – Lab

1. JavaScript Resources 3m 29s
2. ECMAScript Language Specification 9m 21s
3. Course Plan 6m 58s
4. Scope
5. Scope and the JavaScript Compiler 10m 36s
6. Compiling Function Scope 9m 6s
7. Execution of Function Code 11m 36s
8. Scope and Execution Example 13m 14s
9. Function Declarations, Function Expressions, and Block Scope 9m 54s
10. Lexical Scope 5m 0s

1. Cheating Lexical Scope: eval 9m 10s
2. IIFE Pattern 9m 31s
3. IIFE Pattern Questions 4m 17s
4. Block Scope in ES6 4m 11s
5. Problems with the Let Keyword 8m 10s
6. Dynamic Scope 1m 51s
7. Quiz: Scope 1m 43s
8. Hoisting 12m 55s
9. Exercise 12m 54s
10. Exercise 1: Solution 7m 55s
11. this Keyword 12m 4s

1. Binding Confusion 6m 35s
2. Explicit Binding 12m 39s
3. The New keyword 8m 11s
4. Quiz: this 3m 31s
5. Closure
6. 46m 41s
7. Closures 6m 46s
8. Closure Examples 7m 57s
9. More Closure Examples 5m 21s
10. Module Patterns 10m 29s
11. Quiz: Closure 4m 0s
12. Exercise 2 1m 59s
13. Exercise 2 Solution 10m 5s
14. Object Orienting

1. Prototype 5m 5s
2. Prototypes Explained, Part 1 10m 3s
3. Prototypes Explained, Part 2 6m 57s
4. Prototype Linkages 8m 31s
5. Prototype: Objects Linked 6m 16s
6. Linked Prototype Diagram 4m 27s
7. Quiz: Prototype Behavior 3m 2s
8. Exercise 3 2m 49s
9. Exercise 3: Solution 6m 44s
10. Inheritance 5m 6s
11. OLOO 6m 18s
12. OLOO Questions 9m 7s
13. Quiz: Prototype Unit 7m 14s
14. Exercise 4 2m 11s
15. Exercise 4 Solution 22m 18s
16. Async Patterns
17. 57m 17s
18. Callbacks 8m 15s
19. Solving Callback Problems 3m 2s

20. Generators 7m 33s
21. Promises 7m 51s
22. Asynquence 5m 48s
23. Quiz: Async Patterns 2m 28s
24. Exercise 52m 31s
25. Exercise 5 Solution