

Fast Track: Object Oriented JavaScript

Duration: 1 Day

1. Introduction

1. Welcome
2. What you need to know?
3. Essential Tools to learn JavaScript
4. Creating first JavaScript Program

2. Data types and Type Casting

1. Number, String, Boolean
2. Object, Function, Array
3. Date, Regexp
4. NULL, Undefined
5. TypeCasting

3. Anonymous Functions

1. Function Expressions
2. Change Declarations to Expressions
3. Function Expressions with Parameters
4. Show Function Contents
5. Functions as Parameters and Return Values
6. Send Function Expressions As Parameters
7. Function Expressions and Arrays
8. Function Invocation

4. Closures in JS

1. Introduction to Closure
2. Building Closure 1
3. Building Closure 2
4. Using Closure
5. Changing bound values in Closure
6. Hoisting
7. Analyzing Load Order I
8. Analyzing Load Order II

5. Object Oriented Programming

1. Introduction to OOP
2. Objects
3. Create Objects I
4. Create Objects II
5. Access Objects I
6. Access Objects II

6. Objects Functionality

1. Object Functionality
2. Functions as Properties I
3. Accessing Function Properties I
4. Functions as Properties II
5. Calling Function Properties II
6. Objects & Enumeration

7. Inheritance and Prototypes

1. Object Functionality
2. Constructors and Inheritance
3. Introduction to Prototypes
4. Creation with Prototypes I
5. Creation with Prototypes II
6. Constructor I
7. Constructor II
8. Overriding Prototypal Methods

8. Patterns in JavaScript

1. Patterns in JavaScript: The Module
2. Patterns in JavaScript: Pubsub
3. Parasitic Inheritance
4. Prototypal Inheritance
5. Class Inheritance

9. Conclusion

1. QA
2. Useful Resources
3. Feedback