



JavaScript

Modern JavaScript using
ECMAScript [60 Hrs]

Instructor: Pondit Team

E-Mail:

Phone:

Overview

Modern JavaScript using ECMAScript

- মোট ক্লাস সংখ্যাঃ ২৪টি
- মোট ক্লাসের ব্যাপ্তিকালঃ ৬০ ঘণ্টা
- সময় ও বারঃ মঙ্গলবার এবং বৃহস্পতিবার - সপ্তাহে ২ দিন (বিকাল ৬.০০ থেকে রাত ৮.৩০ মিনিট পর্যন্ত)

Audience

যারা ফ্রন্টএন্ড ডিজাইনে ভালো করতে চান তাদের জন্য এই কোর্স

Evaluation

Curriculum

1. Session 01

- 1.1. Introduction
- 1.2. Course Overview
- 1.3. What Can JavaScript Do ?
- 1.4. Where to Put JavaScript ?
- 1.5. What's EcmaScript ?
- 1.6. What's new in ES6 / ES7 / ESNext ?

2. Session 02

- 2.1. Tools and Environments Setup
- 2.2. Console Debug
- 2.3. Comments in JS
- 2.4. Setting Our Tools: Editor and Browser
- 2.5. JavaScript Transpiler: Babel
- 2.6. Setting Up Babel
- 2.7. JavaScript Coding Practice / Clean Code

3. Session 03

- 3.1. Language Construct/Basic
- 3.2. Variables: var, let, const
- 3.3. Data Types: Primitive vs Object
- 3.4. Template Literals
- 3.5. Understanding null and undefined

Prerequisites

বেসিক ওয়েব ডিজাইন জানা থাকতে হবে

Course Information

- Duration : 60 Hours
- Day : মঙ্গলবার এবং বৃহস্পতিবার
- Time : সন্ধ্যা ৬.০০টা থেকে রাত ৮.০০মিনিট পর্যন্ত
- Reg. Start : Mar 19, 2022
- Reg. End : May 6, 2022
- Class Start : Aug 18, 2022

3.6. Variable Mutation and Type Coercion

4. Session 04

4.1. Operators and Operator Precedence

5. Session 05

5.1. Control Flow: If / else, switch Statements, Ternary

5.2. Statements and Expressions

5.3. Truthy and Falsy Values

6. Session 06

6.1. Loops and Iteration

6.2. Instruction break and continue

7. Session 07

7.1. Functions - Basics

7.2. Arrays - Basics

7.3. Objects - Basics

8. Session 08

8.1. Final Project

8.2. Project 1: Build A Grade System

8.3. Project 2: Build A Simple Calculator

9. Session 09

9.1. Functions Deep Dive

9.2. Default Parameters

9.3. Rest Parameters

9.4. The Spread Operator

9.5. Expressions

9.6. Anonymous functions

9.7. IIFEs

9.8. Arrow Functions: Basics

9.9. The arguments object

10. Session 10

10.1. How JavaScript Works Behind the Scenes

10.2. How Our Code Is Executed: JavaScript Parsers and Engines

10.3. Execution Contexts and the Execution Stack

10.4. Execution Contexts in Detail: Creation and Execution Phases and Hoisting

10.5. Hoisting in Practice

10.6. Scoping and the Scope Chain

10.7. The 'this' Keyword

11. Session 11

11.1. Build-in Objects, Data Types and Methods

11.2. Math

- 11.3. Date
- 11.4. RegExp
- 11.5. Number Methods
- 11.6. String Methods
- 11.7. Array Methods

12. Session 12

- 12.1. Advance JS Objects and Functions
- 12.2. Everything Is an Object: Inheritance and the Prototype Chain
- 12.3. Creating Objects: Function Constructors
- 12.4. The Prototype Chain in the Console
- 12.5. Creating Objects: Object.create
- 12.6. First Class Functions: Passing Functions as Arguments
- 12.7. First Class Functions: Functions Returning Functions
- 12.8. Closures
- 12.9. Bind, Call and Apply

13. Session 13

- 13.1. Classes
- 13.2. Property flags and descriptors
- 13.3. Property getters and setters
- 13.4. Prototypal inheritance
- 13.5. Class patterns
- 13.6. Class inheritance, super
- 13.7. Class checking: "instanceof"
- 13.8. Mixins

14. Session 14

- 14.1. Errors and Debugging
- 14.2. Error handling, "try..catch"
- 14.3. Custom errors, extending Error
- 14.4. Project and Exercise

15. Session 15

- 15.1. Asynchronous JavaScript
- 15.2. Promise
- 15.3. Async/Await

16. Session 16

- 16.1. Fetch API

17. Session 17

- 17.1. JavaScript in Browser
- 17.2. DOM and Events Fundamental

18. Session 18

- 18.1. Modern JavaScript Development

18.2. Modules

18.3. Tooling

19. Session 19

19.1. Bonus: TypeScript Introduction

20. Session 20

20.1. Bonus: JavaScript Framework Introduction

