

Web Track Week 5: Advanced JavaScript

1. Async JS

Watch any one of the following video tutorials to understand the concept:

- [Asynchronous JavaScript \(2020 version\)](#)
- [Async JS Crash Course](#)

Docs: [Asynchronous JavaScript - Learn web development | MDN](#)

2. Object Prototypes

Video Tutorial: [Prototype and Prototypal Inheritance in Javascript](#)

Docs: [Object prototypes - Learn web development | MDN](#)

3. Working with JSON Data

Video Tutorials:

- [JSON - Working with Data and APIs in JavaScript](#)
- [JSON Crash Course](#)

Docs: [Working with JSON - Learn web development | MDN](#)

4. Execution Context and Call Stack

Video Tutorials:

- [How JavaScript Works & Execution Context](#)
- [How is JavaScript Code executed? & Call Stack](#)
- [Execution Context and The Call Stack](#)

Docs - <https://www.javatpoint.com/javascript-execution-context>

5. Event Loop

Video Tutorial: [Asynchronous JavaScript & EVENT LOOP from scratch](#)

Docs - <https://www.geeksforgeeks.org/what-is-an-event-loop-in-javascript/>

6. Hoisting

Video Tutorials:

- [Hoisting in JavaScript](#)
- [Hoisting in JavaScript Explained in \(About\) 5 Minutes](#)

Docs - https://www.w3schools.com/js/js_hoisting.asp

7. Variable Scope

Watch any one of the following video tutorials to understand the concept:

- <https://www.youtube.com/watch?v=uH-tVP8MUs8&list=PLlasXeu85E9cQ32gLCvAvr9vNaUccPVNP&index=9>
- https://www.youtube.com/watch?v=IW_erSiyMeM

Docs - https://www.w3schools.com/js/js_scope.asp

8. Error Handling

Video Tutorial:

- <https://www.youtube.com/watch?v=BcAYvnsbmMQ>

Docs:

- https://www.tutorialspoint.com/es6/es6_error_handling.htm
- <https://www.tutorialsteacher.com/javascript/javascript-error-handling>

9. Regular Expressions

Video Tutorials:

- [Learn Regular Expressions In 20 Minutes](#)
- [Regular Expressions \(Regex\) in JavaScript](#)

Docs - [JS Regular Expressions](#)

10. Modules(import/export)

Video Tutorials:

- [JavaScript ES6 Modules](#)
- [JavaScript Modules with Import/Export Syntax](#)

Docs - <https://javascript.info/import-export>

This brings us to the end of Advanced Javascript week. If you still feel like exploring it, here are a few resources that you can definitely check out. However, the track can still be completed without going through these resources.

- [Free JavaScript Resources | Java5cript.com - Learn JavaScript for free](#)
- [JS Algorithms](#)
- [33 JavaScript concepts every developer should know.](#)

Happy Learning!