

Module 2 — Review

Key Take-Aways

At this point, you should be able to answer all of the following questions.

- What is JavaScript?
- Where does JavaScript fit among the various web technologies?
- How do we run JavaScript in a web browser?
- How can we run JavaScript using Node.js?
- What does it mean to say that JavaScript is dynamically typed?
- What are the basic data types supported by JavaScript?
- How should we declare variables in JavaScript?
- How to define functions in JavaScript?
- How we define objects in JavaScript?
- How to define and use arrays in JavaScript?
- What is JSON and what are its uses?
- What are the statements provided in JavaScript for branching?
- How do we use `if` statements?
- How do we use `switch` statements?
- What is the conditional operator?
- How are conditions evaluated in JavaScript?
- Why we must not rely on automatic type conversion in conditions?
- What are the statements provided in JavaScript for looping?
- What are the different flavors of `for` statement and what are their uses?
- What are higher-order functions?
- What are function expressions?
- What are the two ways of defining anonymous functions?
- What are arrow functions and how do we define them?
- What are closures and how do we define them?
- What are exceptions and how should we use them in our programs?
- How do we throw exceptions?
- How can we catch exceptions?
- What is the `finally` block and why may we use it?
- How can we create objects with state and behavior without using classes?
- How can we define a class using the `class` keyword?
- What is a constructor and how do we invoke it?
- What are static fields and methods?
- How can we define a subclass? (optional)

- How can we override an inherited method in a subclass? (optional)

If you are unsure of any of these answers, take some time to review the course materials. Feel free to post questions for discussion. Next week's lessons will be easier if you have invested in mastering this week's learning outcomes. Check the Explorations and Task List in the Module 2 - Overview to review learning materials and make sure you have completed all required activities for this week.

This is the end of Module 2. Please make sure you have reviewed all required learning materials and completed all required activities. Then move forward to Module 3.



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