

Week 1 Introduction to JavaScript ES6

In **Week 1: Introduction to JavaScript ES6**, you'll begin the next part of the course focused on React. This week, you'll review basic ES6 and learn some new features in the ES6 toolbox. Mastering this syntax will be essential for you to code in React in the coming weeks.

Learning Outcomes

Course Learning Outcome Addressed

- Explain key ES6 features

By the end of this week, you will be able to:

1. Compare ES5 and ES6 syntax
2. Use destructuring assignment syntax to unpack values from arrays and objects
3. Interpret ES6 syntax
4. Identify use cases for default variables
5. Identify the building blocks of destructuring
6. Use spread and rest to manipulate arrays
7. Use closures to access variables within a function's scope, an outer function's scope, and global scope
8. Identify the building blocks of modules
9. Create an object using object literals
10. Identify the return values of arrow functions
11. Identify the scope with let, var, and const
12. Use key ES6 features
13. Discuss the impact of global scope vs. block scope on coding projects

Activities

Key Activities

- Knowledge Checks 1.1 and 1.2
- Discussions
 - Comparing ES5 And ES6
 - Building Blocks Of Destructuring
 - Challenges Of Scope
- Coding Activities
 - Destructuring With ES6
 - Spread And Rest Operators
 - Using Closures To Understand Scope
- Coding Assignments
 - ES6 Word Count Assignment

Self-Study Activities

- Word Count Exercise

