JavaScript Scope

About

Designed for learners ranging from beginner to advanced, this module takes students on an in-depth exploration of JavaScript scope — a foundational but often misunderstood aspect of coding. Students start with the basics of the scope chain, understanding how variables and functions interact in different layers of a program and advance to more nuanced topics like the `var` keyword and global scope.

Content

Lesson	Video Time	Video	Skills
Setup	4 min	link	Setting up the development environment.
Concepts	5 min	link	Lexical scope, importance for variable management, and types of scope (Global, Function, Block).
Function and Block Scope	12 min	link	Differences and similarities between function and block scope, variable accessibility and usage.
Global Scope	4 min	link	Definition, characteristics, and best practices for using global variables in JavaScript to avoid unintended side effects.
The Scope Chain	11 min	link	Understanding the JavaScript scope chain, variable and function resolution across different scopes, and the concept of scope isolation.
Total content	36 min		

Level Up content

Lesson	Video Time	Video	Skills
`var` Keyword	10 min	link	Understanding the `var` keyword in JavaScript and its function-scoped behavior.
More About Global Scope	4 min	link	The `window` object, risks of pollution, and differences between `var`, `let`, and `const`.
Temporal Dead Zone	6 min	link	Access before initialization, hoisting, and how it impacts variable initialization.
Total Level Up content	20 min		

References

📖 Reference Materials