

JavaScript in Practice

An in-depth guide to mastering JavaScript, complete with practical examples, exercises, and project ideas.

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Chapter 1: Introduction to JavaScript

JavaScript is a versatile programming language primarily used in web development. It allows developers to create dynamic and interactive experiences for users. This chapter introduces JavaScript's

```
// Hello World in JavaScript■console.log('Hello, World!');
```

Chapter 2: Variables, Data Types, and Scope

Variables in JavaScript store data values that can be used and manipulated throughout a program. JavaScript provides three keywords to declare variables: `var`, `let`, and `const`.

```
let name = "John"; // Block-scoped variable
const age = 30;    // Constant value
var city = "New York"; // Function-scoped variable

if (true) {
  let name = "Doe"; // This 'name' is different from the outer 'name'
  console.log(name); // Output: Doe
}
```