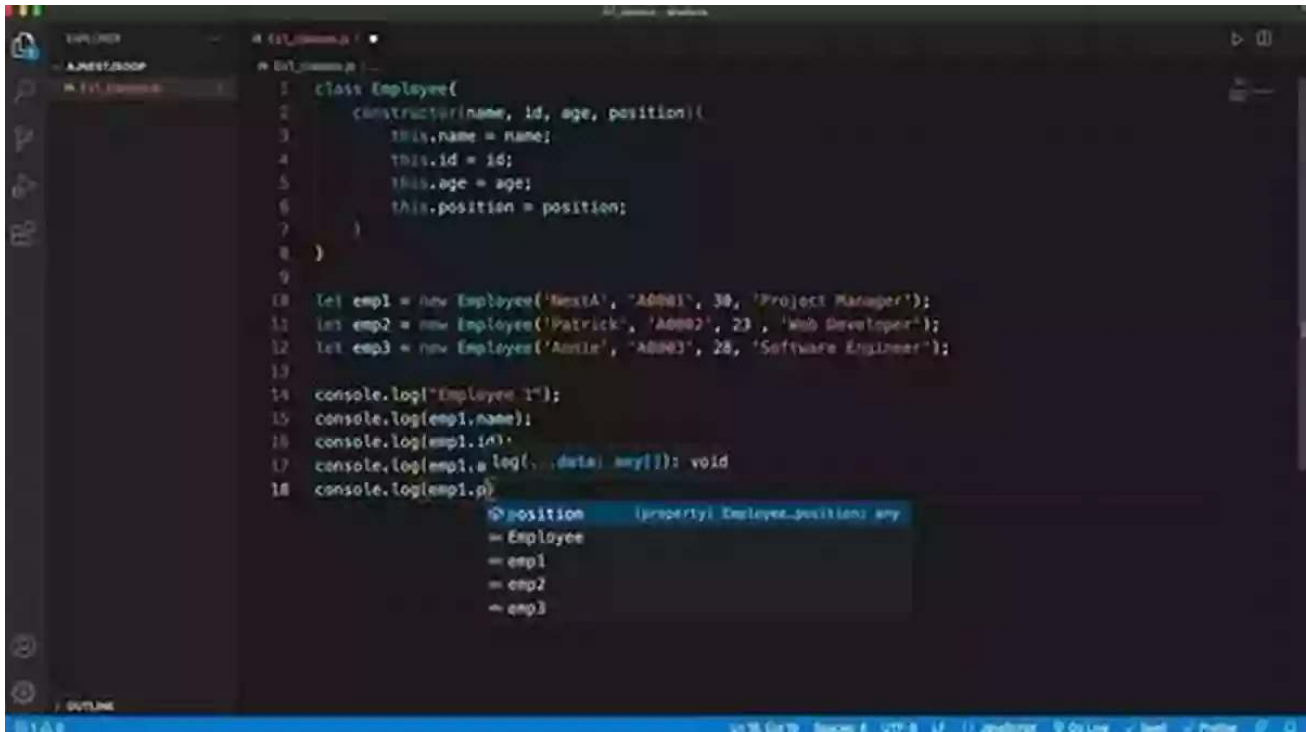


Javascript Object Oriented Programming By Examples - Javascript Crash Course



```
1 class Employee{
2   constructor(name, id, age, position){
3     this.name = name;
4     this.id = id;
5     this.age = age;
6     this.position = position;
7   }
8 }
9
10 let emp1 = new Employee('Nesta', 'A0001', 30, 'Project Manager');
11 let emp2 = new Employee('Patrick', 'A0002', 23, 'Web Developer');
12 let emp3 = new Employee('Aoniz', 'A0003', 28, 'Software Engineer');
13
14 console.log("Employee 1");
15 console.log(emp1.name);
16 console.log(emp1.id);
17 console.log(emp1, { log(...data): any[] }): void
18 console.log(emp1.p)
```

The screenshot shows a code editor with the following JavaScript code: A class named 'Employee' with a constructor that takes 'name', 'id', 'age', and 'position' as arguments and assigns them to 'this' properties. Three instances are created: 'emp1' (Nesta, A0001, 30, Project Manager), 'emp2' (Patrick, A0002, 23, Web Developer), and 'emp3' (Aoniz, A0003, 28, Software Engineer). The code logs the name and id of emp1, and then logs emp1 with a custom log function. A console log shows the object structure for emp1, including its position property.

Welcome to this comprehensive crash course on Javascript Object Oriented Programming (OOP)!

What is Object Oriented Programming?

Object Oriented Programming (OOP) is a programming paradigm that revolves around the concept of objects. It allows developers to organize and structure their code in a more modular and reusable way.

JavaScript Object-Oriented Programming By Examples (JavaScript Crash Course Book 2)

by Neo D. Truman(Kindle Edition)

★★★★★ 5 out of 5

Language : English



File size	: 3306 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 144 pages
Lending	: Enabled



Why use Object Oriented Programming?

By leveraging OOP principles, developers can create code that is easier to understand, maintain, and scale. Through encapsulation, inheritance, and polymorphism, OOP helps improve code organization, reduce code duplication, and increase code reusability.

Basics of OOP in Javascript

Javascript is a versatile language that supports OOP features. It provides the ability to create classes, objects, and utilize various OOP concepts.

Creating Objects in Javascript

In Javascript, objects can be created using constructor functions or object literals. The constructor function approach allows for creating multiple instances of the same object type, while object literals are useful for creating single objects.

Encapsulation in Javascript

Encapsulation is the concept of bundling data and methods together within a class. It helps to hide implementation details and expose only the necessary

functionalities to the outside world.

Inheritance in Javascript

Inheritance allows objects to inherit properties and methods from other objects. This helps in code reuse and promotes the establishment of an organized class hierarchy.

Polymorphism in Javascript

Polymorphism enables objects to take multiple forms or have multiple behaviors. It allows for methods with the same name to be implemented differently in different classes.

Examples of OOP in Javascript

Let's dive into some practical examples to solidify our understanding of OOP in Javascript.

Example 1: Creating a Class

Class definition and object instantiation example.

Example 2: Encapsulation in Action

Example showcasing encapsulation by hiding internal implementation details.

Example 3: Inheritance Illustrated

Illustration of inheritance through subclass creation.

Example 4: Polymorphism Demonstrated

Using polymorphism to showcase different behaviors of methods.

Javascript Object Oriented Programming offers developers a powerful toolset to organize and structure their code. By understanding and leveraging concepts such as encapsulation, inheritance, and polymorphism, developers can create more maintainable, scalable, and reusable code. Practice and experimentation are key to mastering OOP in Javascript, so start exploring and implementing OOP concepts in your own projects!



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Are you looking for:

- how to do object-oriented programming (OOP) in JavaScript?
- a solution to support JavaScript OOP in old browsers such as Internet Explorer?

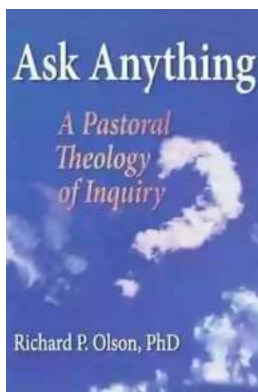
If so, this book is for you.

Object-oriented programming is a programming method that takes objects as the foundation for building algorithms and building programs. This book introduces

OOP concepts like encapsulation, classes and instance, object inheritance, etc. and guides you how to do OOP in JavaScript.

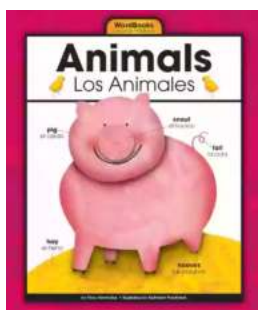
The book targets intermediate developers who already know basic JavaScript programming. It starts from introducing all concepts that related to OOP. Then, Object-Oriented Programming in JavaScript will be introduced in the last chapter when you knew all related concepts.

JavaScript is the World's Most-Used Programming Language, that is one of the core technologies of the World Wide Web, alongside HTML and CSS. Websites use JavaScript on the client side for web page behavior and user interaction.



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