

Code Camp Tema 4

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Programación orientada a objetos

Object Oriented Programming

▼ Collapse course

✓ 26/26

- ✓ Create a Basic JavaScript Object
- ✓ Use Dot Notation to Access the Properties of an Object
- ✓ Create a Method on an Object
- ✓ Make Code More Reusable with the this Keyword
- ✓ Define a Constructor Function
- ✓ Use a Constructor to Create Objects
- ✓ Extend Constructors to Receive Arguments
- ✓ Verify an Object's Constructor with instanceof
- ✓ Understand Own Properties
- ✓ Use Prototype Properties to Reduce Duplicate Code

- No he tenido muchos problemas al realizarlos.

Programación funcional

Ejercicio 6/24

```
// Change code below this line
function add(arr, bookName) {
  let newArr = [...arr];
  newArr.push(bookName);
  return newArr;

  // Change code above this line
}
```

```
// Change code below this line
function remove(arr, bookName) {
  let newArr = [...arr];
  if (newArr.indexOf(bookName) >= 0) {
    newArr.splice(newArr.indexOf(bookName), 1);
    return newArr;
  }

  var newBookList = add(bookList, 'A Brief History of Time');
  var newerBookList = remove(bookList, 'On The Electrodynamics
of Moving Bodies');
  var newestBookList = remove(add(bookList, 'A Brief History
of Time'), 'On The Electrodynamics of Moving Bodies');

  // Change code above this line
}
}
```

- En este ejercicio aparte del array bookName había que poner otro con los 3 puntos para hacer una copia y pegarla en el nuevo array.

Functional Programming

▼ Collapse course

✓ 24/24

- ✓ Learn About Functional Programming
- ✓ Understand Functional Programming Terminology
- ✓ Understand the Hazards of Using Imperative Code
- ✓ Avoid Mutations and Side Effects Using Functional Programming
- ✓ Pass Arguments to Avoid External Dependence in a Function
- ✓ Refactor Global Variables Out of Functions
- ✓ Use the map Method to Extract Data from an Array
- ✓ Implement map on a Prototype
- ✓ Use the filter Method to Extract Data from an Array
- ✓ Implement the filter Method on a Prototype

Programación de algoritmos intermedios

Intermediate Algorithm Scripting

▼ Collapse course

✓ 21/21

✓ Sum All Numbers in a Range

✓ Diff Two Arrays

✓ Seek and Destroy

✓ Wherefore art thou

✓ Spinal Tap Case

✓ Pig Latin

✓ Search and Replace

✓ DNA Pairing

✓ Missing letters

✓ Sorted Union

Algoritmos de JavaScript y proyectos de estructuras de datos

JavaScript Algorithms and Data Structures Projects

- ✓ Palindrome Checker
- ✓ Roman Numeral Converter
- ✓ Caesars Cipher
- ✓ Telephone Number Validator
- ✓ Cash Register

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This certifies that

Francisco Valcárcel Lardín


successfully completed the

Legacy JavaScript Algorithms and Data Structures V7

Developer Certification on November 26, 2025

representing approximately 300 hours of work




Quincy Larson
Executive Director, freeCodeCamp.org

