

A Comprehensive Guide to Intermediate JavaScript

Mastering Your “goding” Skills



Behavior of Functions and Variables

- Variable Scope
 - Variable Hoisting
 - ES2015 Scope & Hoisting - let & const
 - Introduction to Callbacks
 - Closures
 - Value vs. Reference
 - Value vs. Reference with ES2015
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Essential Modern JavaScript - ES2015+ In Depth

- Template Literals
- Default Function Parameters
- Arrow Functions `() => {}`
- New Object Functionality
- Array & Object Destructuring



Object Oriented Programming: The Core

Introduction to `this`, `new` & OOP

The Complete Rules to `new`

Apply, Call, Bind, & arguments

The Utility of Rest & Spread



Object Oriented Programming: `this` and Inheritance

The Complete Rules to `this`

Arrow Functions and `this`

Object Prototypes

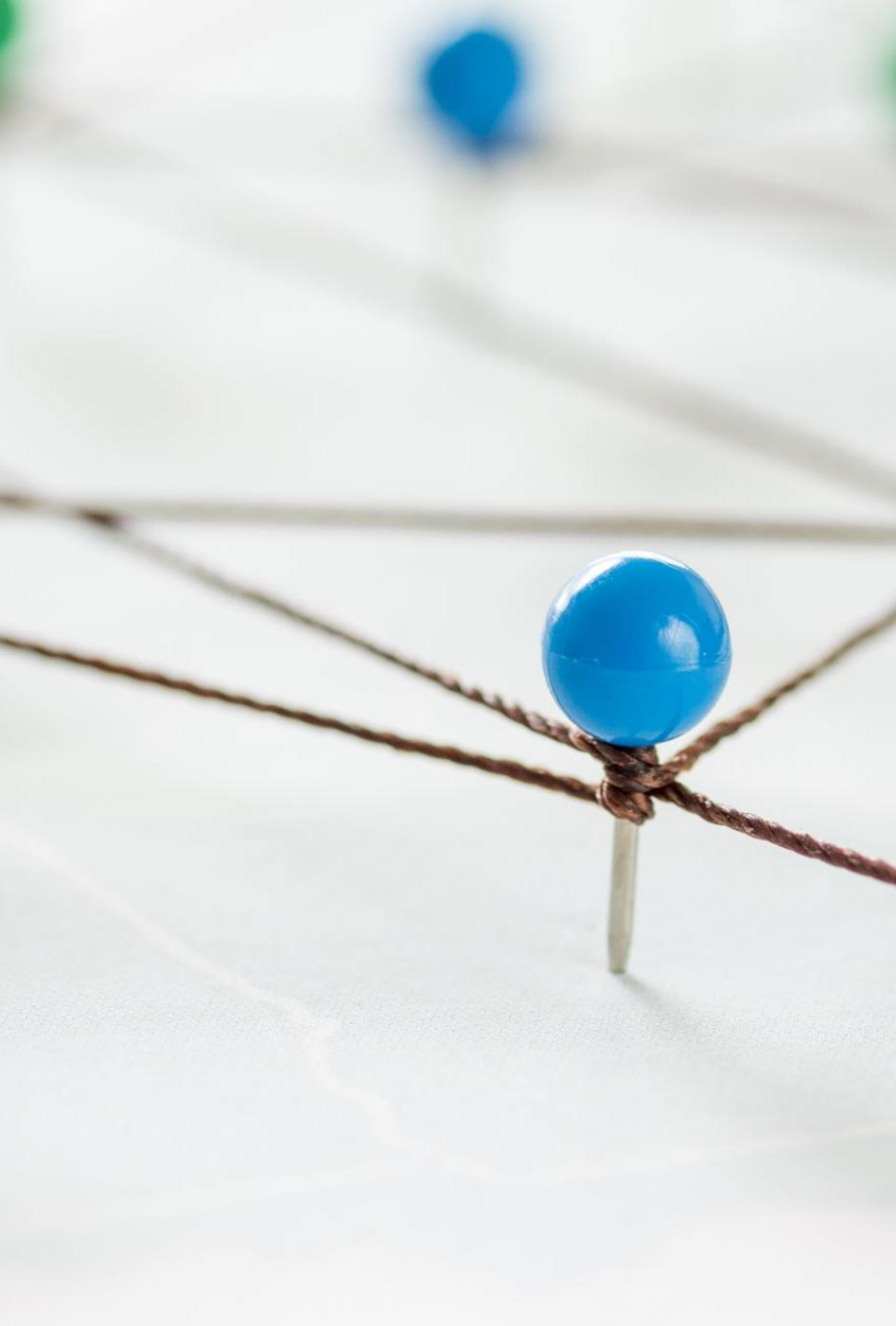
Implementing Inheritance

Introduction to Functional Programming

Introduction to
Functional
Programming

Immediately
Invoked Function
Expressions

The IIFE
Interview
Question



Functional Programming: Arrays and their Powerful Methods

- Map
- Filter
- Map & Filter Practice
- forEach
- Reduce
- forEach & Reduce Practice



Functional Programming: Objects and their Powerful Methods

Object	Object.assign
Object	Object.keys
Object	Object.values & Object.entries
Object	Object.defineProperty
Object	Object.preventExtensions, seal, and freeze

A Dive into Asynchronous JavaScript

- Introduction to Asynchronous Programming in JavaScript
- Callbacks, setTimeout, & the Event Loop
- Common Use Cases of Asynchronous JavaScript Programming
- Promises
- Error Handling with Promises
- Async/Await
- ES5, Promises and async/await Conclusion

Advanced Modern JavaScript - Cutting Edge ES2015+

Section
Overview

Classes

Sets

Maps

Symbols

Iterables &
Iterators

Generators



Projects



END