▲ alchemy [university]

Learn

3 week crash course to learn how to code and become a JavaScript expert, a core foundation to web3 development. No experience necessary.

49 lessons

Beginner skill level

No pre-requisite





Join 18K+ enrolled students

About the

This JavaScript crash course covers the basics of programming through advanced topics like asynchronous requests and promises. The most used developer tools and libraries for Ethereum are JavaScript based, making it a key foundation to web3 development.

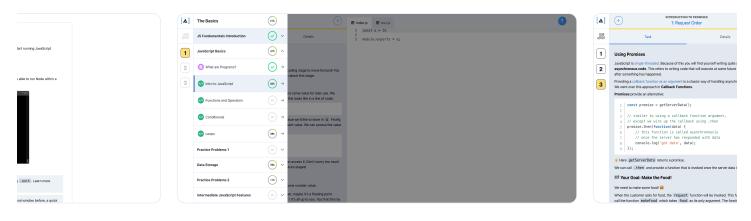
Recommended but not required for the Ethereum Dev. Bootcamp!

Skills you'll obtain

Master JavaScript

Coding Basics

Server Setup



er Learn JavaScript syntax Write

Student



JS gets you running with coding in one of the most popular programming languages in the world. Great start prior to jumping into EVM development.

Alvaro L., @Alchemy

Developer Relations

Syllabus

50 lessons

The Basics

Learn Coding Basics in JavaScript

34 lessons

JS Fundamentals Introduction:

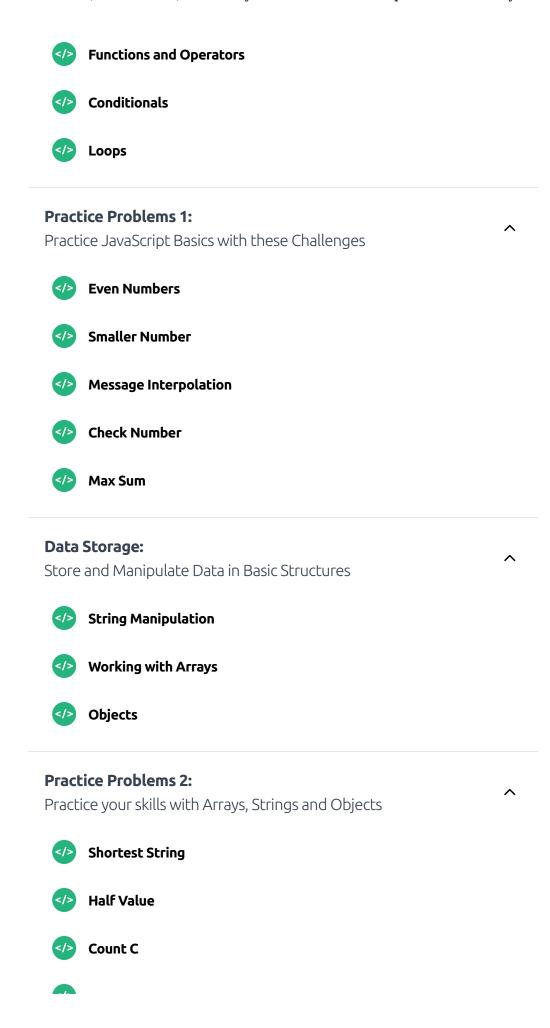
Itemized advice on maximizing your AU learning experience!

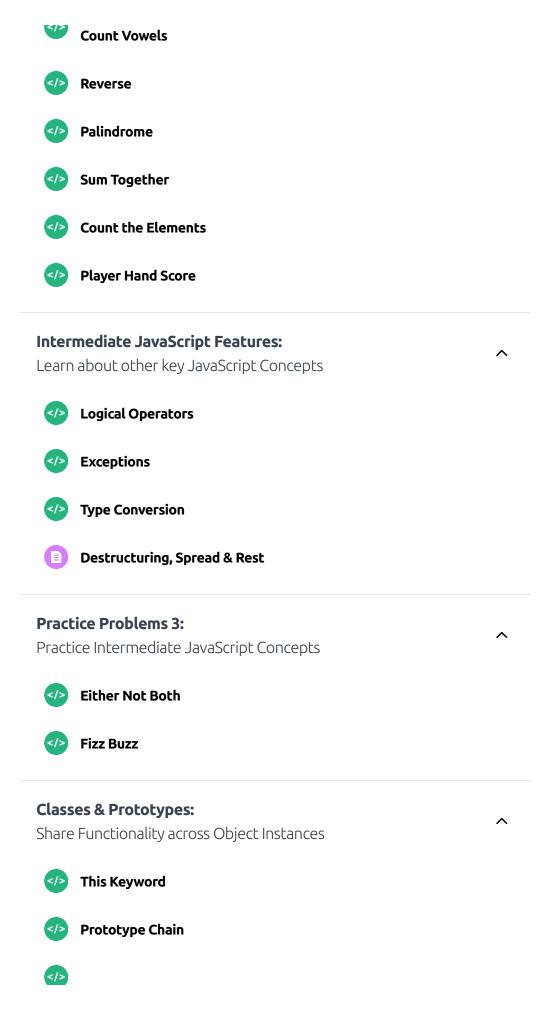


JavaScript Basics:

Starting from Square One

- What are Programs?
- Intro to JavaScript





Classes **Binary & Hexadecimal:** Understand the role of these Number Systems in Computer Science **Understanding Binary Working with Hexadecimal Data Structures** Learn to Build, Search and Manipulate Data Structures 8 lessons **Array Manipulation:** Techniques for Manipulating Lists of Data **Array Sort** Аггау Мар Array Filter **Array Reduce Building Data Structures:** Build Data Structures and Understand Their Respective Tradeoffs Recursion Stacks

7 of 10 11/19/24, 8:04 AM

Linked Lists

Practice Problems:

^

Practice your Data Structure Skills



Networks

Writing Code to Communicate Within Networks

8 lessons

Local Development:

Setup a Local JavaScript Development Environment

- Setup Node.js
- Node Package Manager

Asynchronous JavaScript:

Write Code that Executes Later

- Callback Functions
- Introduction to Promises
- Pact: A Promise Library

Building a Server:

Write Code that Responds to Network Requests

- Running a Node Server
- An HTML Node Server

Wrap Up:

Course Complete!



The web3 development platform





Products

Supernode

NFT API

SDK

Webhooks

Custom Webhooks

Websockets

Transfers API

Token API

Transact

Transaction Simulation

Account Abstraction

Spearmint

Developers

Docs

Status

Sepolia Faucet

Mumbai Faucet

GWEI Calculator

Create Web3 Dapp

Smart Contracts

Chain Connect

Request a Chain

Community	Company
Alchemy University	About us
Web3 Jobs	Careers
Dapp Store	Customers
Overviews	Newsrooms
Case Studies	Press Kit
WAGBI Grant	Security
Newsletter	Terms of Service
Blog	Dapp Store Terms
	Privacy Policy

Contact

Sales

Press

Support

Discord