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Learning Style: On Demand

Technology:

Difficulty: Intermediate

Course Duration: 3 Hours

Web API - JavaScript Fetch getting JSON data Fun with APIs

About this Course:

Explore JavaScript Objects and how you can get JSON data with an API connection using JavaScript Code. Get data from a web server and use that data within you JavaScript application.

Course is focused on applying JavaScript to connect to web APIs and get back JSON data

Course Objectives:

- What JavaScript objects are and how to use them in code
- How to iterate through arrays and objects to get data
- Complex JavaScript Objects with many layers of data
- JSON lint and how to read JSON data
- How to use fetch to connect to web APIs
- Various examples of connecting to APIs to create interactive web applications.
- Using JavaScript code to connect to web APIs
- Setup of localhost using node and express
- Using node to make API requests
- Setup of local web host

Audience:

- Web developers
- Anyone who wants to learn about APIs
- Learners who want to know more about JSON and Data
- JavaScript Fetch and connecting to APIs
- Web masters
- Web designers
- Application Developers

Prerequisites:

- JavaScript Experience
- HTML and CSS knowledge
- Computer access

Course Outline:

- Web API JSON Introduction
- Web Developer Setup
- JavaScript Objects
- JavaScript Arrays
- Iterate Array Contents
- Iterate Object Contents
- JSON Parse and Stringify
- JSON Content Files
- Web APIs GET data
- myJSON json file
- JavaScript Fetch API
- Fetch Arrow Expression
- Random User API
- Reddit Post API
- GitHub Repo API Part 1
- GitHub Repo API Part 2
- StackOverflow API
- Google Sheet Data Part 1

- Google Sheet JSON data Part 2
- Post data with Fetch to Web API
- Get posted data from Web API Pagination of Data

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