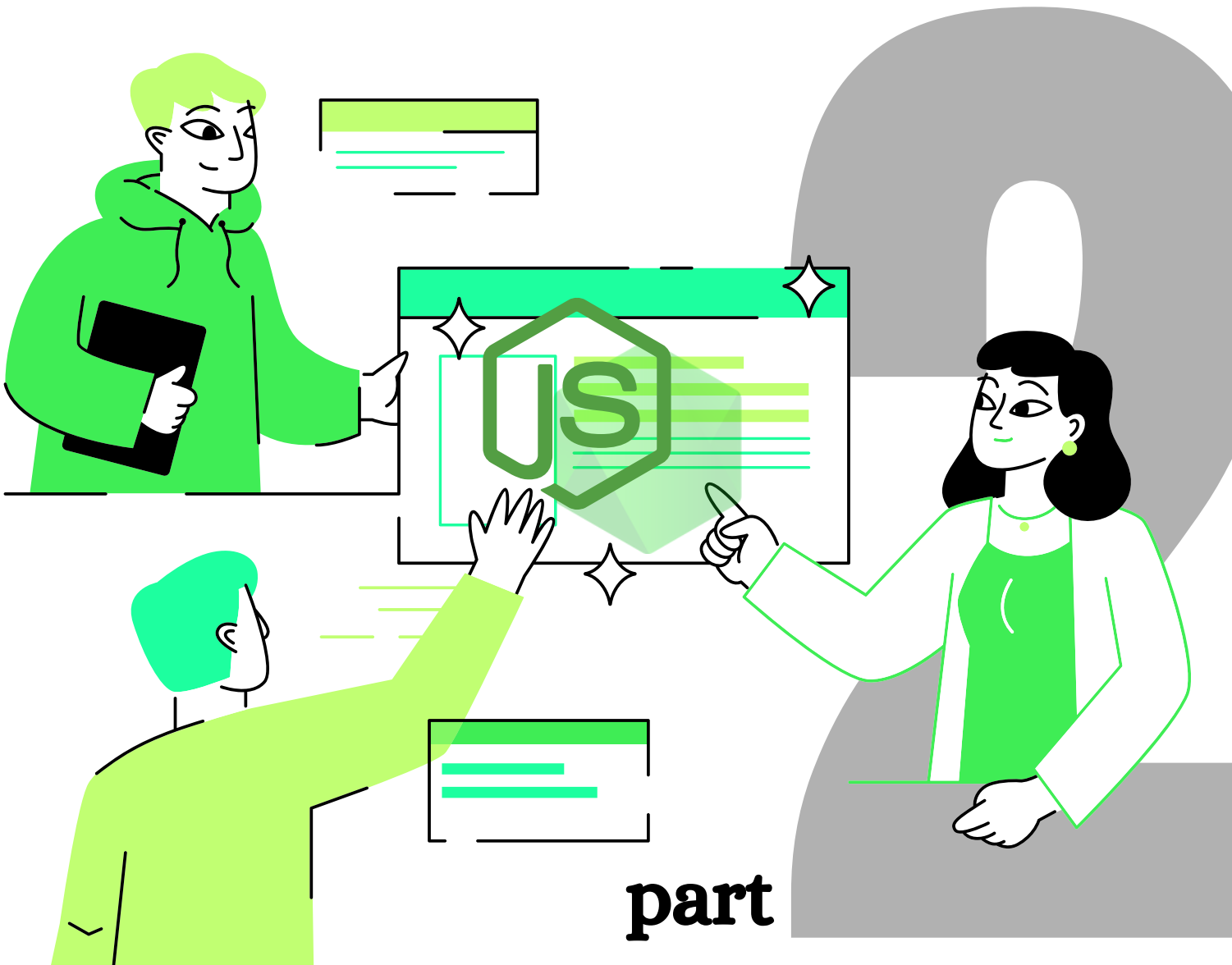# NODEJS

One Liner Answer

part 2

engg.sahil

Sahil Singh

How do you handle asynchronous operations in Node.js?

- Using callbacks, promises, or async/await syntax.

What is the purpose of the package.json file?

- It stores metadata about a Node.js project, including dependencies and scripts.

What is the difference between require() and import?

- require() is for CommonJS modules, while import is for ECMAScript modules (ESM).

How do you handle file I/O ?

- Using the built-in fs (File System) module.

How do you handle database connections?

- Using modules like mysql or mongodb, or ORM libraries like Sequelize or Mongoose.

How do you handle real-time communication?

- Using technologies like WebSockets, with libraries such as Socket.IO.

What is the event-driven architecture ?

- Node.js uses an event-driven architecture where events trigger callbacks, allowing non-blocking and efficient handling of I/O operations.

What is the purpose of the global object?

- The global object in Node.js provides global variables and functions that are accessible throughout the application.

How do you handle errors in Node.js asynchronous code?

- By using try-catch blocks, error-first callbacks, or utilizing the Promise.catch() method in promise-based code.

How do you handle cross-origin resource sharing (CORS)?

- By utilizing middleware such as the 'cors' package or setting appropriate response headers to allow or restrict cross-origin requests.

What is the purpose of the net module?

- The net module provides networking functionality, allowing for creating TCP servers and clients, enabling network communication in Node.js applications.

How do you handle routing?

- Using frameworks like Express.js, you can define routes using HTTP methods (GET, POST, etc.) and associated handler functions.

What is middleware in the context of Express.js?

- Middleware in Express.js is a function that can intercept and process requests before they reach the final route handler.

How do you handle form data in Node.js?

- By using middleware like 'body-parser' in Express.js to parse and extract form data from incoming requests.

What is the purpose of the 'path' module?

- The 'path' module provides utility functions for working with file and directory paths.

How do you handle cookies?

- By using middleware like 'cookie-parser' in Express.js to parse and manage cookies in HTTP requests and responses.

How do you handle concurrency?

- By utilizing techniques such as worker threads, the 'cluster' module, or libraries like 'async' or 'Promise.all()' for managing concurrent tasks and parallel execution.

What is the purpose of the EventEmitter?

- The EventEmitter is a core module in Node.js that allows objects to emit and listen for custom events.

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