1.

a) Explain the relation between JavaScript and Node.js. Why is it a golden rule of Node.js that of not blocking the event queue?

Node.js is a JavaScript runtime environment, that executes JavaScript Code outside of a Browser. Based on the Google Chrome V8 Engine.

Non-blocking I/O operations allow a single process to serve multiple requests at the same time. Instead of the process being blocked and waiting for I/O operations to complete, the I/O operations are delegated to the system, so that the process can execute the next piece of code

b) What is Express? What does it offer and what is it used for?

Express is a module framework for Node that you can use for applications that are based on server/s that will "listen" for any input/connection requests from clients. When you use it in Node, it is just saying that you are requesting the use of the built-in Express file from your Node modules.

c) Explain the concept of Route in Express. What is the purpose of app.all()?

Routing refers to determining how an application responds to a client request to a particular endpoint, which is a URI (or path) and a specific HTTP request method (GET, POST, and so on).

Each route can have one or more handler functions, which are executed when the route is matched.

There is a special routing method, app.all(), used to load middleware functions at a path for all HTTP request methods.

Deckt alle routes ab