Introduction to Node JS

Relevel

by Unacademy



Introduction to Node JS

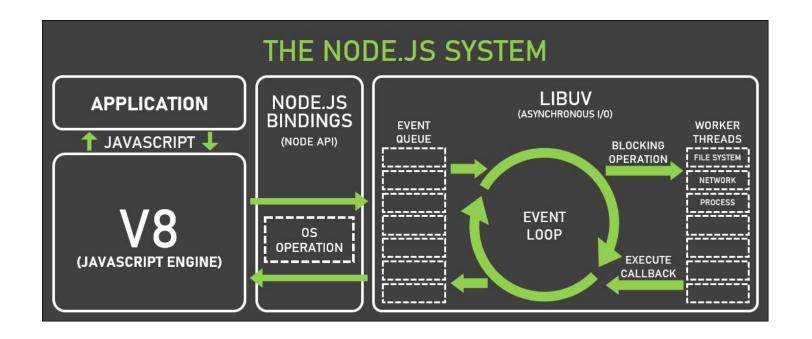
- A JavaScript Runtime Environment
- Built on <u>Chrome's V8 Engine!</u>
- Perfect for Server-side development



Hello World in Nodejs



NodeJS Ecosystem and Event Loop



Introduction to npm

- NPM stands for Node Package Manager.
- npm is the standard package manager for NodeJS
- npm is the world's largest software registry



Initialising an NPM Project

```
📢 File Edit Selection View Go Run Terminal Help
                                                                                  helloworld.is
        PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
       PS C:\Users\VJ\Desktop\demo> npm init
       This utility will walk you through creating a package.json file.
       It only covers the most common items, and tries to guess sensible defaults.
       See `npm help init` for definitive documentation on these fields
        and exactly what they do.
       Use `npm install <pkg>` afterwards to install a package and
        save it as a dependency in the package.json file.
       Press ^C at any time to quit.
        package name: (demo) index
       version: (1.0.0)
       description:
        entry point: (index.js)
       test command:
       git repository:
        keywords:
        author:
        license: (ISC)
        About to write to C:\Users\VJ\Desktop\demo\package.json:
          "name": "index".
          "version": "1.0.0",
          "description": "",
          "main": "index.js",
          "scripts": {
           "test": "echo \"Error: no test specified\" && exit 1"
          "author": "",
          "license": "ISC"
(8)
       Is this OK? (yes)
       PS C:\Users\VJ\Desktop\demo>
```

```
{} package.ison X
{} package.json > ...
         "name": "index",
         "version": "1.0.0".
         "description": "",
         "main": "index.js",
         D Debug
         "scripts": {
            "test": "echo \"Error: no test specified\" && exit 1"
         },
          "author": "",
         "license": "ISC"
```

Practice/HW



Write a nodeJS program that would read content from the file and also append new content into the file.



Explore setTimeout and setInterval and write a program that would make use of setTimeout and call a function after 10 sec once the app starts, and setInterval would print number 1 to 10 after interval of 5 secs and then it should stop.

Next Class



In the next class we would be looking into Client Server Architecture, HTTP and REST. And we would also be setting up a HTTP server using nodeJS.

Thank you!

