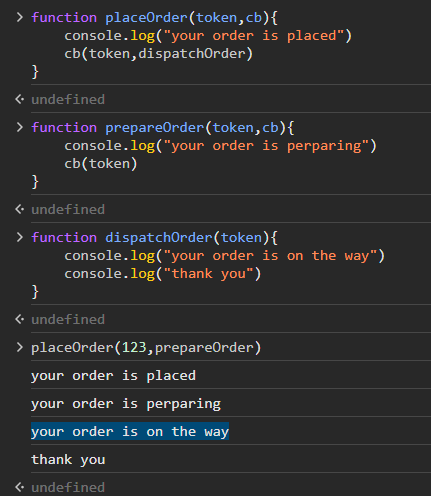
1. Why there is callback function in js
2. Example of callback function



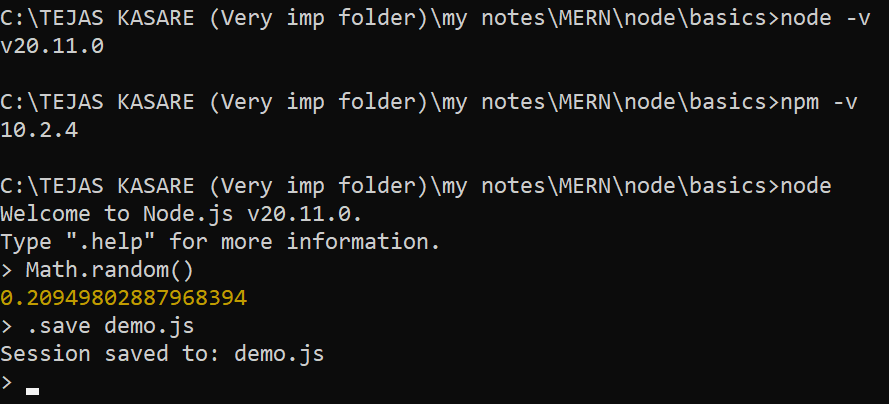
1. REPL functionality of JS

> Math.random() => Read and Evaluate

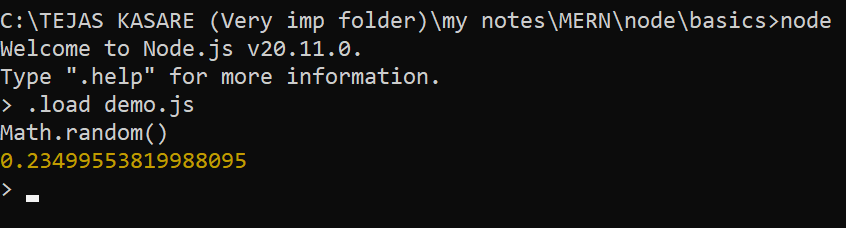
> 0.979437508321547 =>Print

> => Loop

1. Study Promises in JS
2. Install node LTS
3. Saving terminal code into files using node



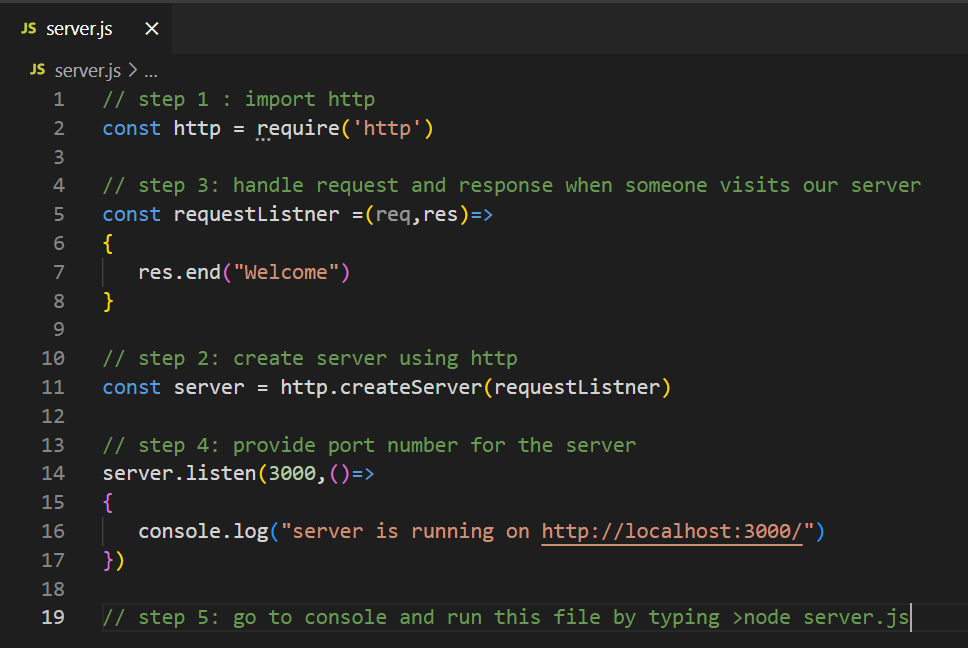
1. Lading same file



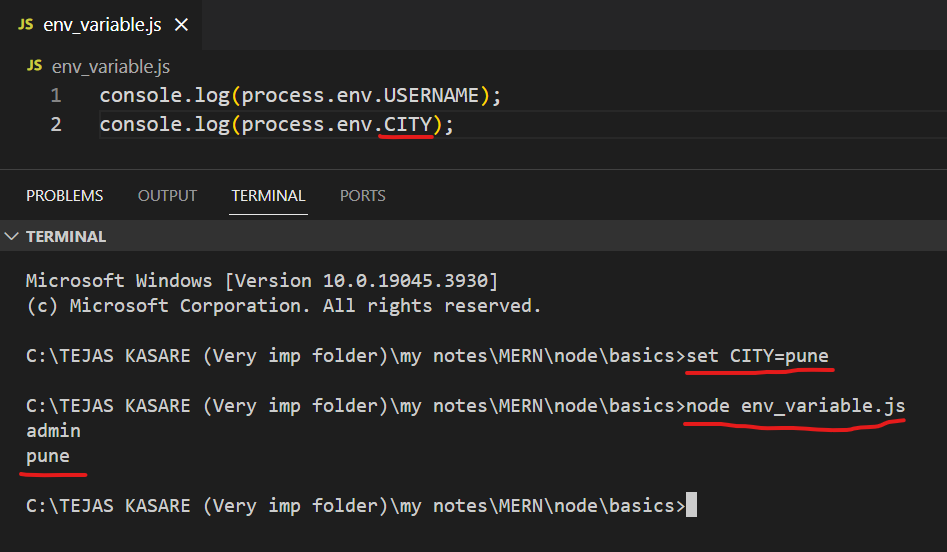
1. Creating simple js file and executing it via node



1. Creating server using node

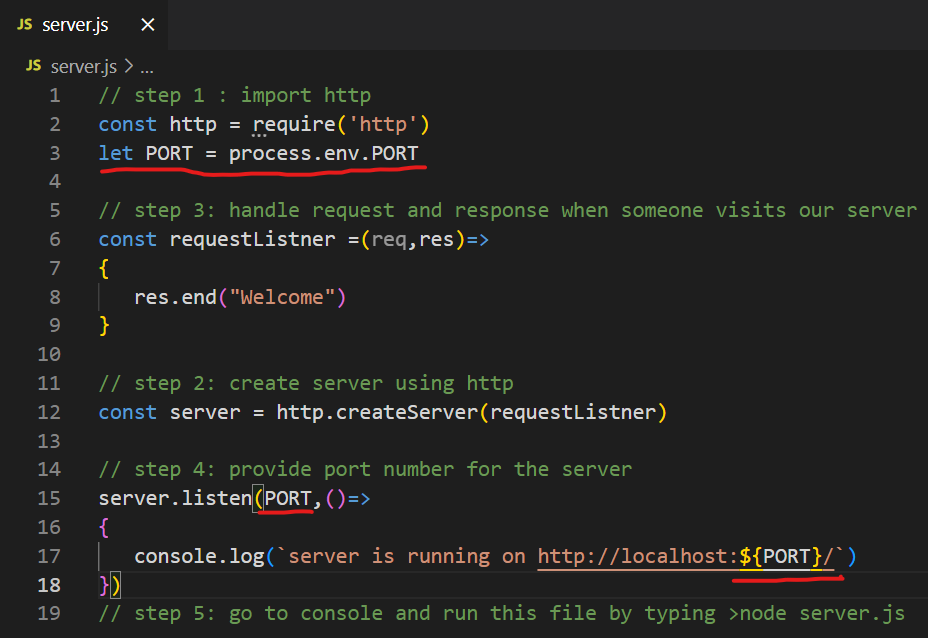


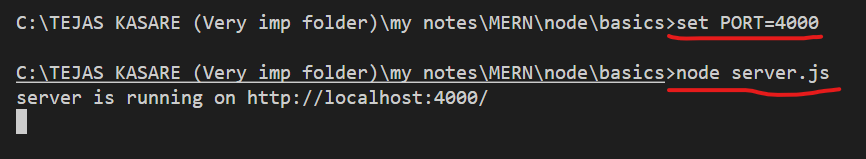
1. Storing and accesing environmental variable



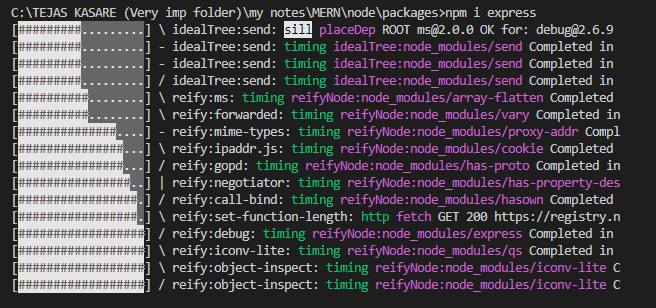
*VIMP : open cmd not powershell in VS code*

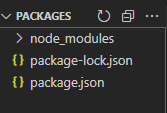
1. Setting port number dynamically from environmental variable





1. Checking npm version and installing packages
   1. Package : any js file or a folder that consist of js file(s) is called as package
   2. > npm –v
   3. > npm i package\_name =>install package locally (only for selected application)
   4. > npm i –g package\_name => install package globally
   5. > npm i –D package\_name => install for development only (not for production)
2. Package.json
   1. Let we have installed express package by > npm i express





* 1. When we install any package using npm command, it will automatically generates package.json file which has registration of that package. Ex express



* 1. Package-lock.json => consist of sub dependencies of package installed in above command

1. Importance package.json
   1. Delete node\_modules folder and go to terminal and execute
      1. > npm i
   2. By doing this, npm will go through our package.json file and install all required packages mentioned in package.json file
2. Creating package.json manually

Delete (node\_modules, package.json, package-lock.json) from current folder

Open terminal and type

> npm i

After this, provide answer to all qustions

Done

If you don’t want to go through all above question, then just execute

> npm i --yes

1. Making production ready build
   1. > npm i –production
   2. By doing this, all develeopement related packages will not get added in node\_modules folder
   3. develeopement related packages means the packages that we installed with

npm i –D package\_name

ex : npm i –D nodemon

1. argument keyword
   1. open browser console and execute :

First :

function sum(){

console.log(arguments)

}

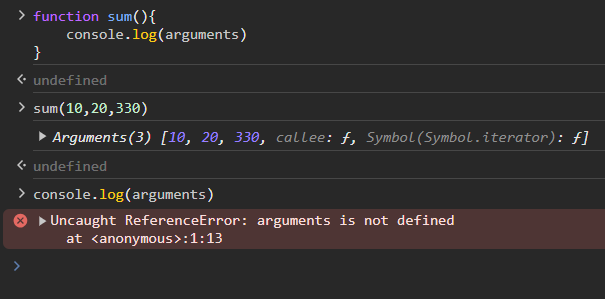
sum(10,20,30)

* you will get output for arguments

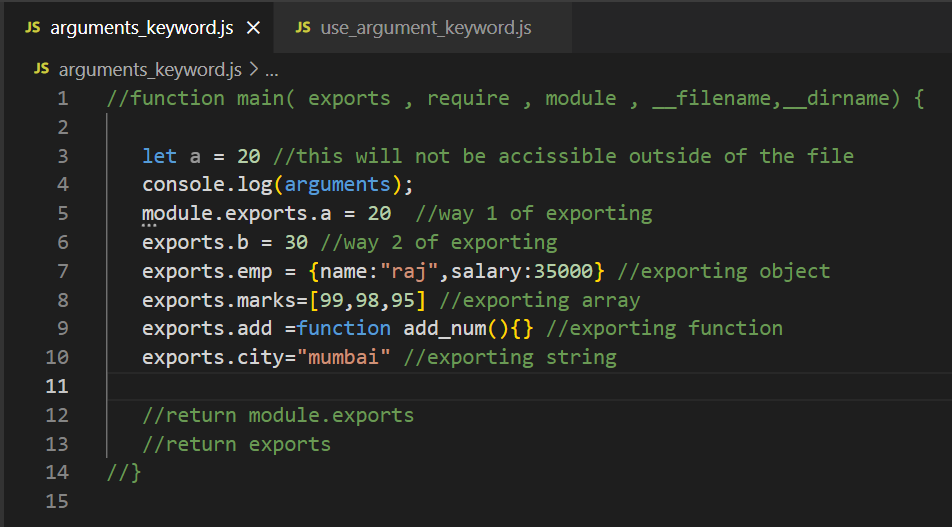
Later :

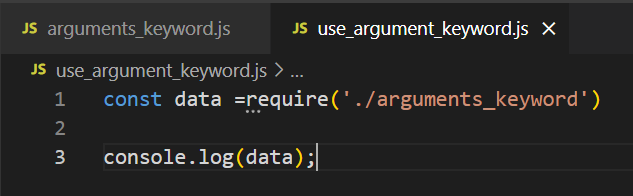
console.log(arguments)

* you will get error
* Conclusion : in browser, arguments keyword only work inside function.



* 1. Create folder -> argu



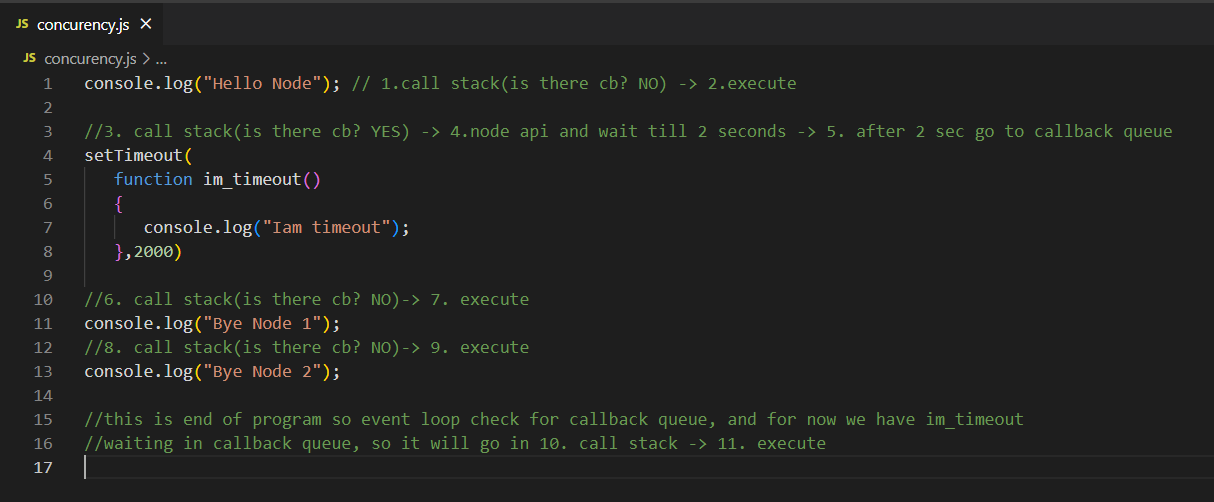


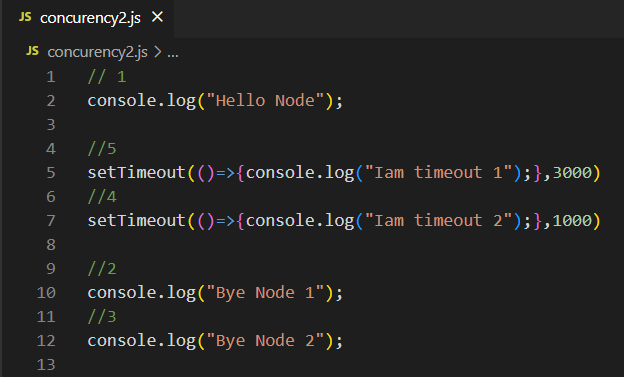
RUN :

>node arguments\_keyword.js

> node use\_argument\_keyword.js

1. Concurrency :





1. Exception handling

