# *How to create a basic Hello world  Using node express js.?*

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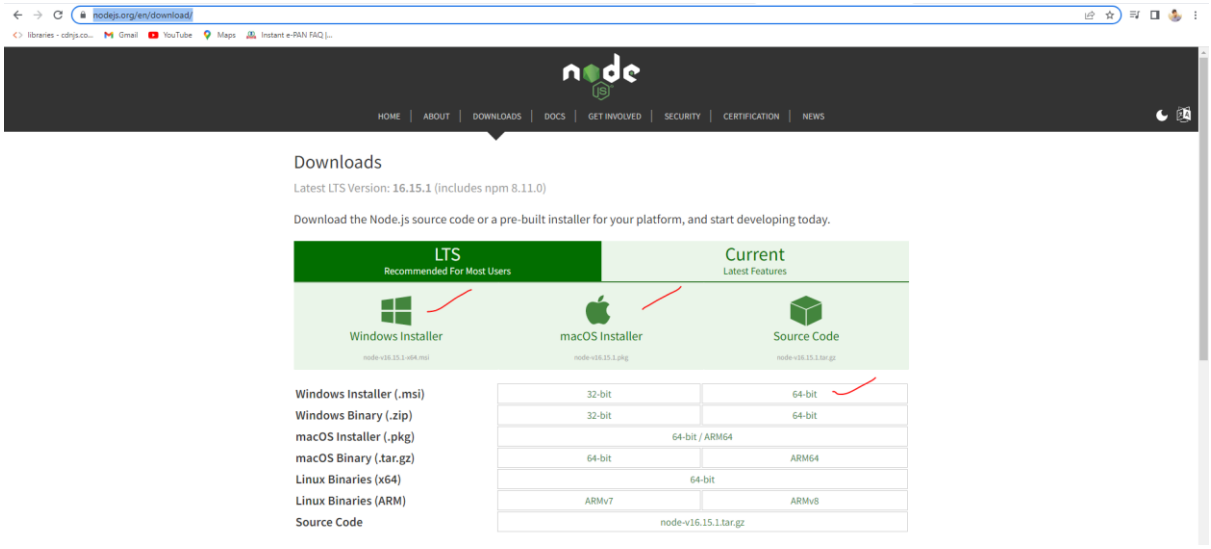
## *Installation:*

### *Step1:*

*First you need to install node js ,*

*Download here : [https://nodejs.org/en/download/](https://nodejs.org/en/download/)*

*If you have already installed then ignore it.*




*After installation process done plesase check the below commands in your terminal.*

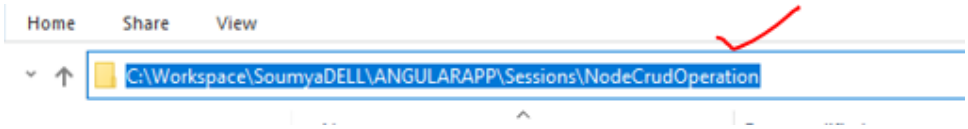
*Check the versions node -v, npm -v*

## *Step 2:*

*Create a folder and open that folder in terminal*

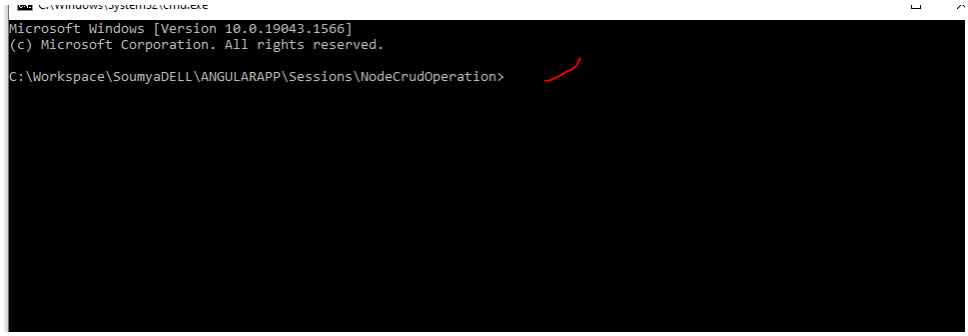
*Pic-1:*

*Create a folder name 'NodeCrudOperation' and select all the path and type 'cmd' see the below images*




*Pic-2:*

*Pic-3:*



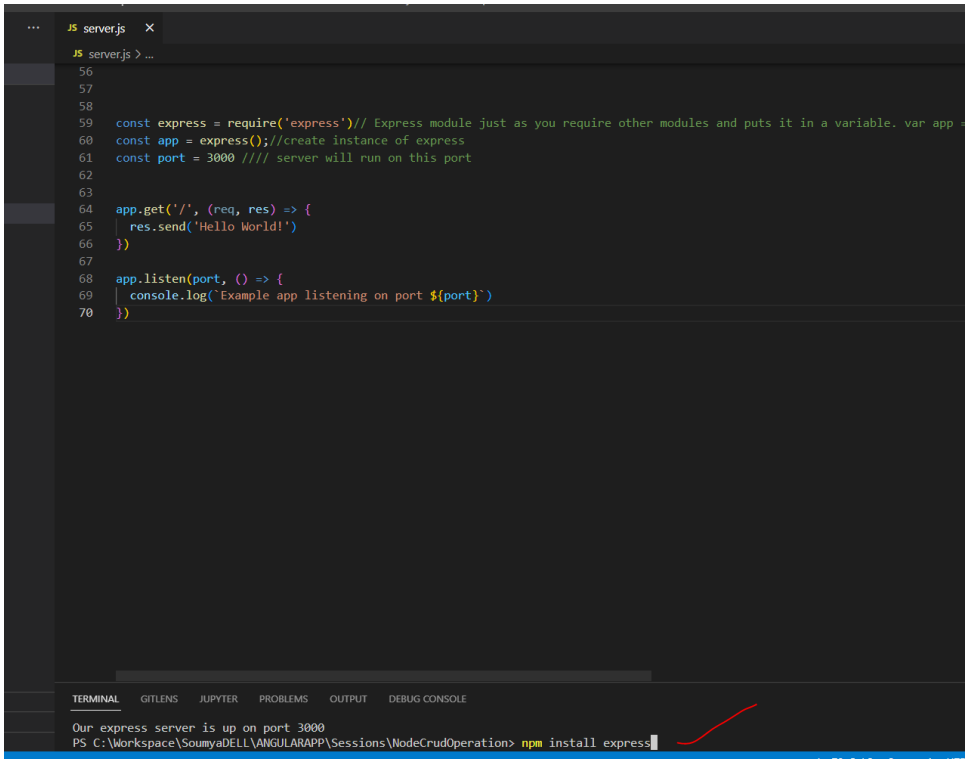

## *Step 3:*

*Run this command `npm init`. This will create package json. See the below image*

```
C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>code .

C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>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: (nodecrudoperation) nodecrudoperation
version: (1.0.0) 1.0.0
description: demo
entry point: (server.js)
test command:
git repository:
keywords:
author:
license: (ISC)
About to write to C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation\package.json:

{
  "name": "nodecrudoperation",
  "version": "1.0.0",
  "description": "demo",
  "main": "server.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1",
    "start": "node server.js"
  },
  "author": "",
  "license": "ISC"
}


Is this OK? (yes)

C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>node -v
v16.14.2

C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>npm-v
'npm-v' is not recognized as an internal or external command,
operable program or batch file.

C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>npm -v
7.18.1

C:\Workspace\SoumyaDELL\ANGULARAPP\Sessions\NodeCrudOperation>
```

## *Step-4:*

*Create a .js file (server.js) file.(You can give your own file name)  and run this command on your terminal" npm install express"*



## *Code:*

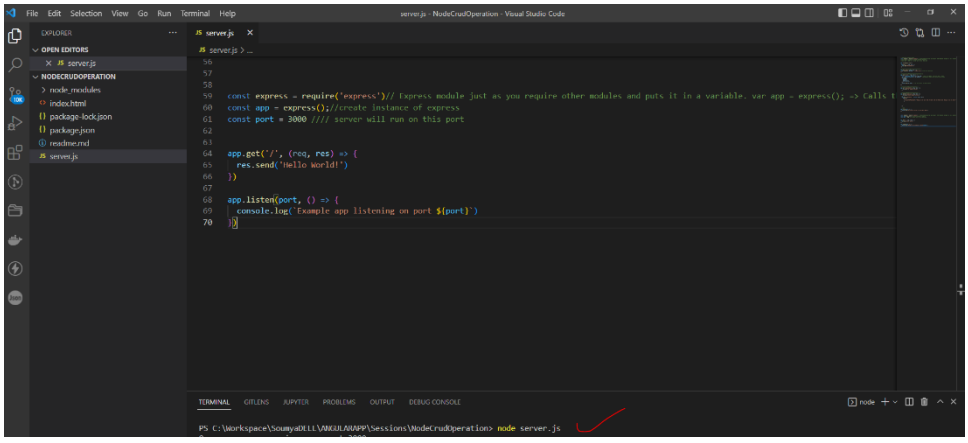
*Write below code inside server.js*

```
const express = require('express')// Express module just as you require other modules and puts it in a variable. var app = express(); => Calls the express function "express()" and puts new Express application inside the app variable (to start a new Express application)

const app = express();//create instance of express

const port = 3000 // server will run on this port
```

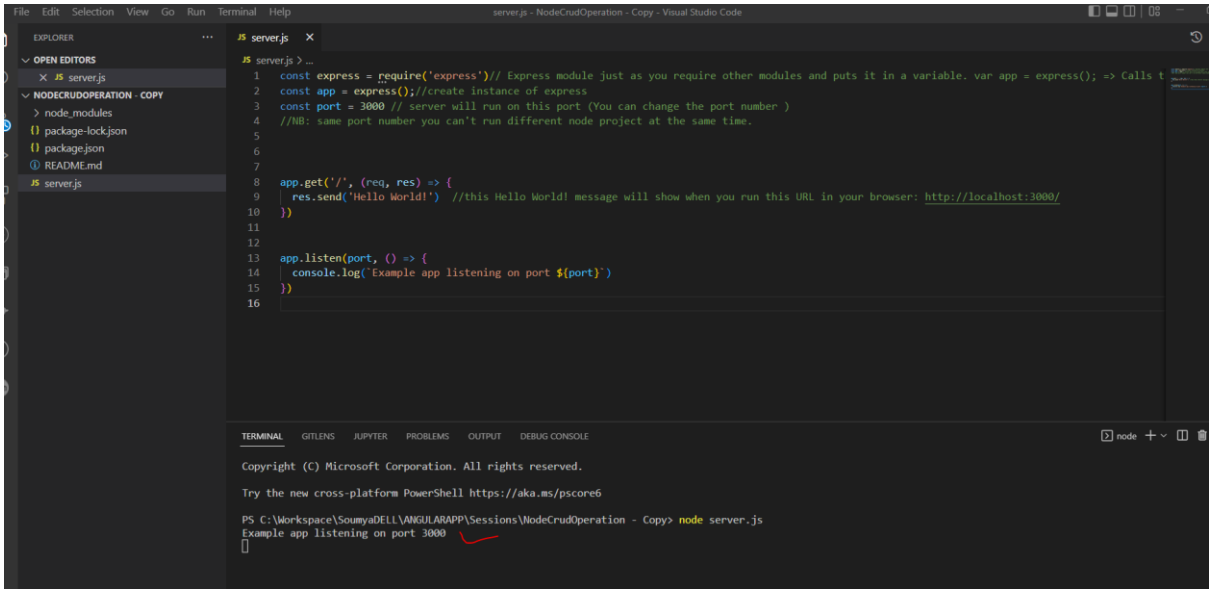
```
app.get('/', (req, res) => {
  res.send('Hello World!')
})
```

```
app.listen(port, () => {
  console.log(`Example app listening on port ${port}`)
})
```

*Image:*

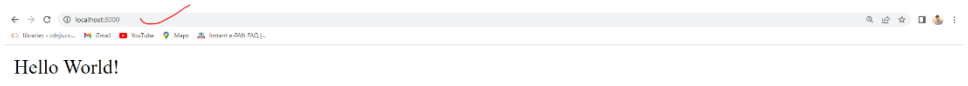



*After writing code then open your terminal and run this command '**node server.js**'.*




*Output:*

*http://localhost:3000/*




## *Exercises:*

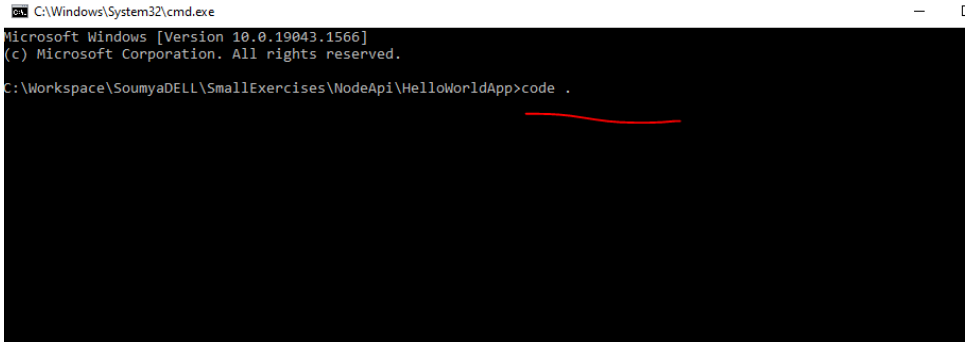
*Q1.* create a node js GET api send "Hi this is my first program " .using this url http://localhost:3000/user/something

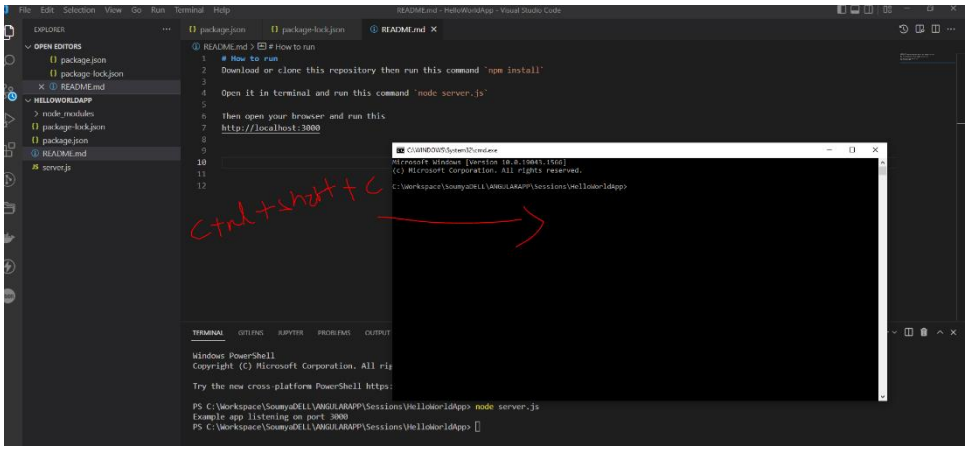
check the router Path.

*Q2.*

***Short Key:***

*In a specific folder command prompt Type  Code  . (code space dot)  it will  open your project directly in vs code.*




*Ctrl+shift+c  : when your project is open on vs code  then type Ctrl+shift+c at a time then command prompt will open directly.*