**Name : Pavan Krishnat Shinde**

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**Subject : PL3**

**Practical No. 7 To create a Node.js HTTP server and REPL Commands.**

**Problem statement 1: Create and start NodeJS server.**

1. Firstly use command(npm init) to initialize npm
2. Then using npm install install express dependency
3. Write code to start server
4. Start node server using node app.js command
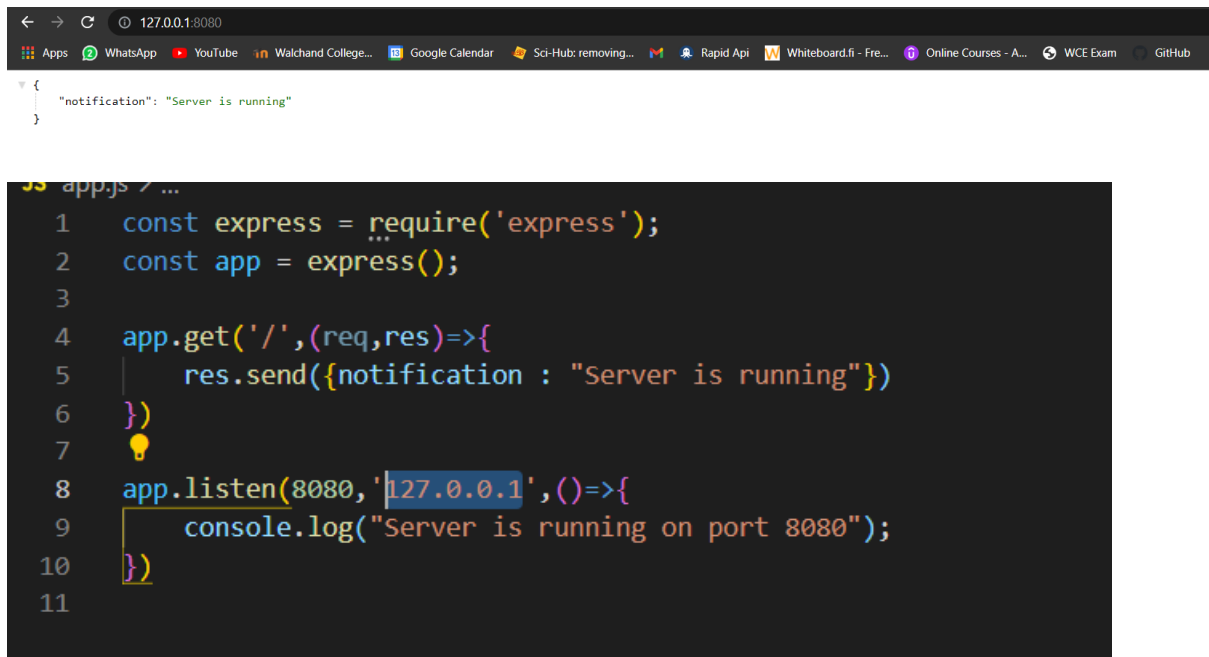5. Now I can ping that server from browser

```
▼ {
      "notification": "Server is running"
  }
```
                                                              Raw    Parsed

```js
JS app.js > ⬡ app.listen() callback
  1    const express = require('express');
  2    const app = express();
  3
  4    app.get('/',(req,res)=>{
  5        res.send({notification : "Server is running"})
  6    })
  7
  8    app.listen(8080,()=>{
  9        console.log("Server is running on port 8080");
 10    })
 11
```

6. To change ip address add second argument to listen method and specify hostname I have specified "127.0.0.1"
7. Now again start node server using node app.js
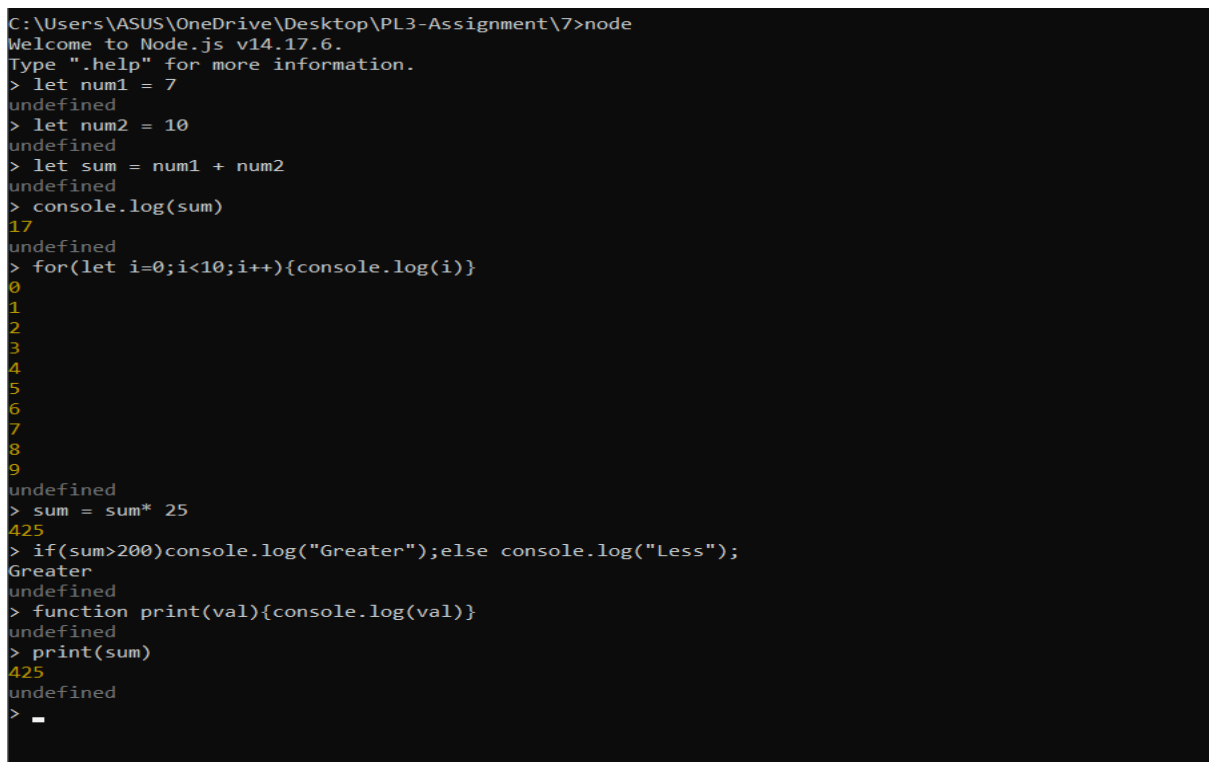
8. Pinged from browser and I can see the output



```
{
    "notification": "Server is running"
}
```

```js
1   const express = require('express');
2   const app = express();
3
4   app.get('/',(req,res)=>{
5       res.send({notification : "Server is running"})
6   })
7
8   app.listen(8080,'127.0.0.1',()=>{
9       console.log("Server is running on port 8080");
10  })
11
```

## Problem Statement 2: Writing JS code using Node REPL

```
C:\Users\ASUS\OneDrive\Desktop\PL3-Assignment\7>node
Welcome to Node.js v14.17.6.
Type ".help" for more information.
> let num1 = 7
undefined
> let num2 = 10
undefined
> let sum = num1 + num2
undefined
> console.log(sum)
17
undefined
> for(let i=0;i<10;i++){console.log(i)}
0
1
2
3
4
5
6
7
8
9
undefined
> sum = sum* 25
425
> if(sum>200)console.log("Greater");else console.log("Less");
Greater
undefined
> function print(val){console.log(val)}
undefined
> print(sum)
425
undefined
> _
```