

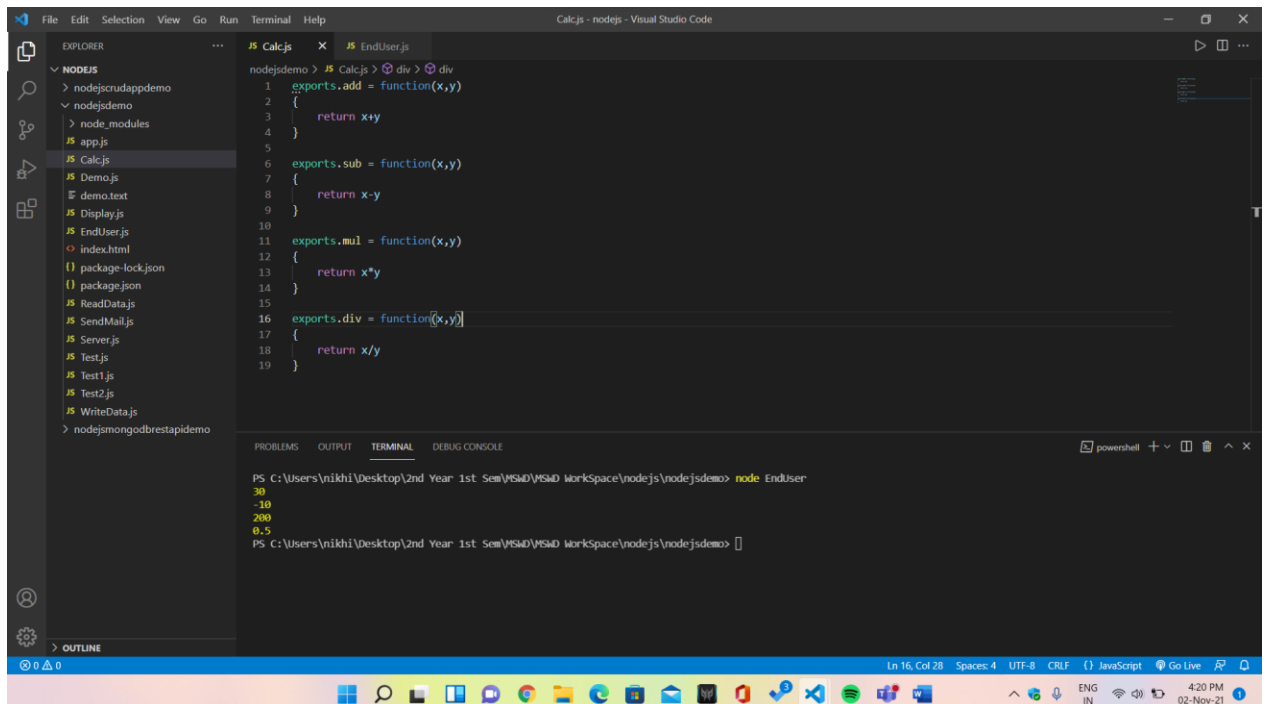
# Skill 7

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Section No: S09

Calc.js:



The screenshot shows the Visual Studio Code editor with a file named `Calc.js` open. The file contains the following JavaScript code:

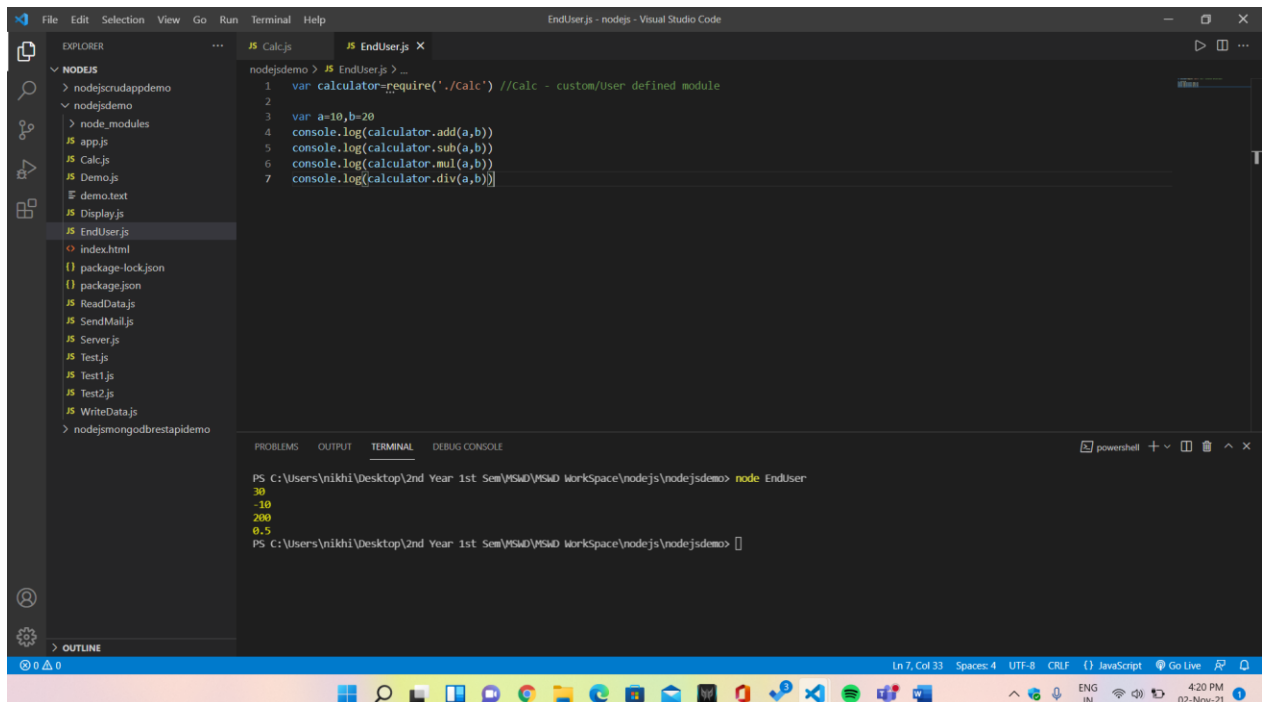
```
1 exports.add = function(x,y)
2 {
3   return x+y
4 }
5
6 exports.sub = function(x,y)
7 {
8   return x-y
9 }
10
11 exports.mul = function(x,y)
12 {
13   return x*y
14 }
15
16 exports.div = function(x,y)
17 {
18   return x/y
19 }
```

The terminal at the bottom shows the command `node EndUser` being executed, which runs the `Calc.js` file. The output of the program is displayed in the terminal:

```
30
-10
200
0.5
```

The terminal also shows the current directory path: `PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\VSMD\VSMD Workspace\nodejs\nodejsdemo>`.

## EndUser.js:

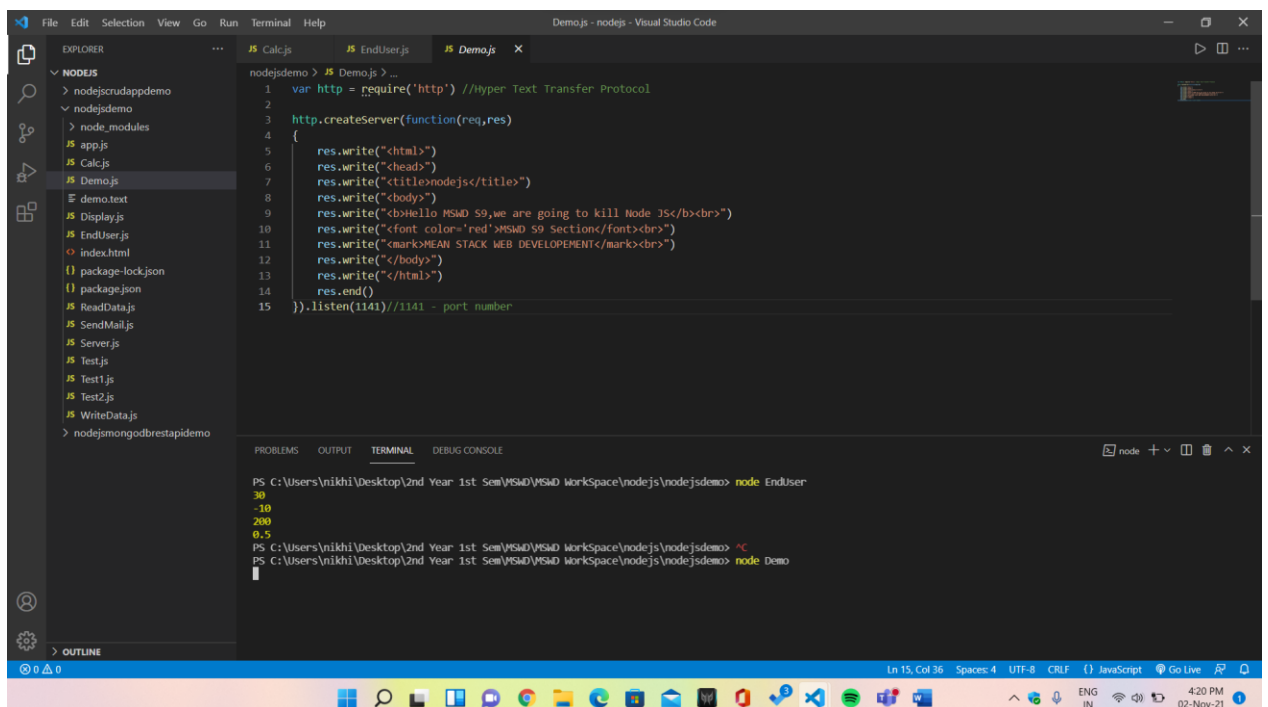


The screenshot shows the Visual Studio Code editor with the file `EndUser.js` open. The code defines a custom module `calculator` and performs arithmetic operations. The terminal shows the command `node EndUser` being executed, resulting in the output: `30`, `-10`, `200`, and `0.5`.

```
1 var calculator=require('./Calc') //Calc - custom/User defined module
2
3 var a=10,b=20
4 console.log(calculator.add(a,b))
5 console.log(calculator.sub(a,b))
6 console.log(calculator.mul(a,b))
7 console.log(calculator.div(a,b))
```

```
PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\MSMD\MSMD Workspace\nodejs\nodejsdemo> node EndUser
30
-10
200
0.5
PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\MSMD\MSMD Workspace\nodejs\nodejsdemo>
```

## Demo.js:



The screenshot shows the Visual Studio Code editor with the file `Demo.js` open. The code creates an HTTP server that responds with HTML content. The terminal shows the command `node Demo` being executed, resulting in the output: `30`, `-10`, `200`, and `0.5`.

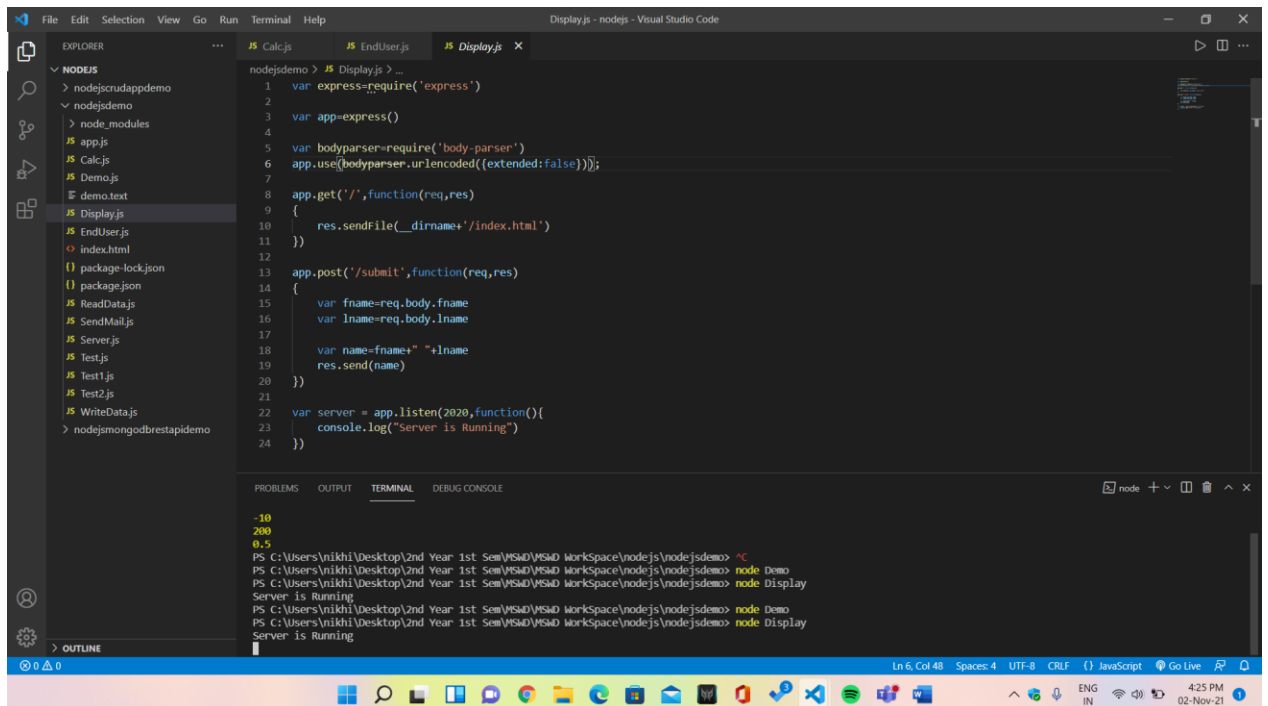
```
1 var http = require('http') //Hyper Text Transfer Protocol
2
3 http.createServer(function(req,res)
4 {
5     res.write("<html>")
6     res.write("<head>")
7     res.write("<title>nodejs</title>")
8     res.write("<body>")
9     res.write("<b>Hello MSMD S9,we are going to kill Node JS</b><br>")
10    res.write("<font color='red'>MSMD S9 Section</font><br>")
11    res.write("<mark>MEAN STACK WEB DEVELOPEMENT</mark><br>")
12    res.write("</body>")
13    res.write("</html>")
14    res.end()
15 }).listen(1141)//1141 - port number
```

```
PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\MSMD\MSMD Workspace\nodejs\nodejsdemo> node EndUser
30
-10
200
0.5
PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\MSMD\MSMD Workspace\nodejs\nodejsdemo> ^C
PS C:\Users\nikhil\Desktop\2nd Year 1st Sem\MSMD\MSMD Workspace\nodejs\nodejsdemo> node Demo
```

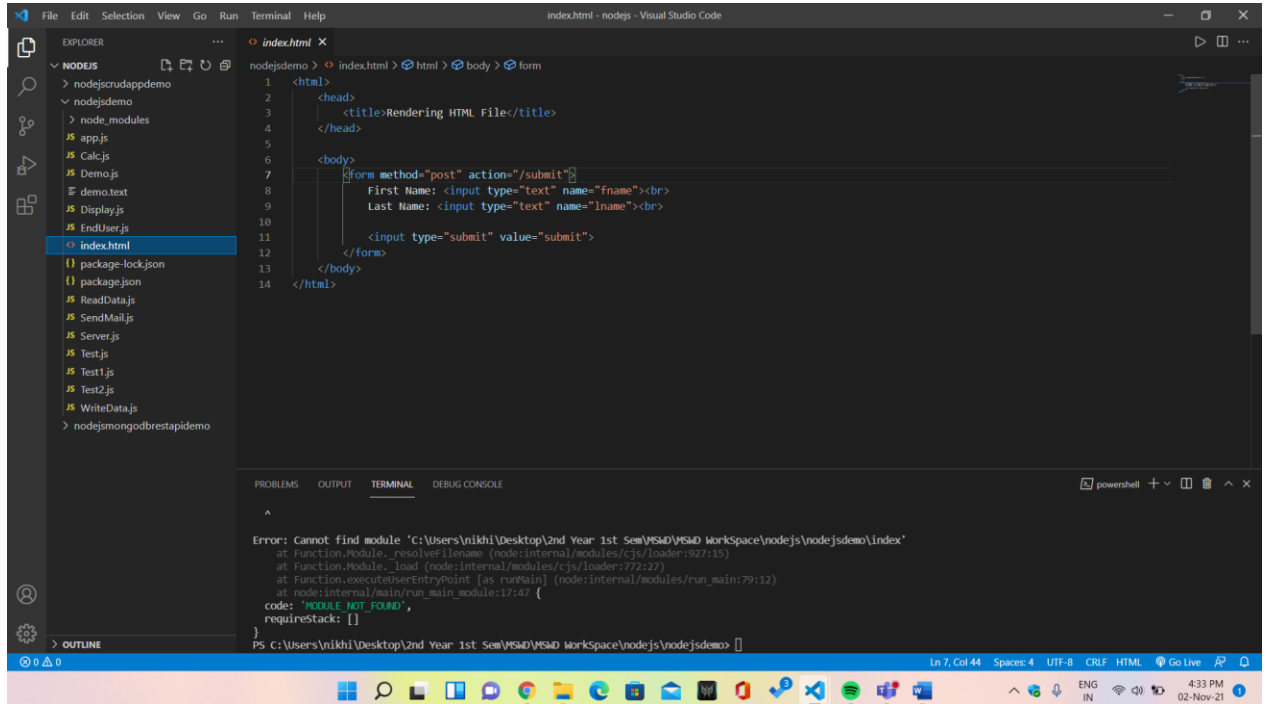
Output:



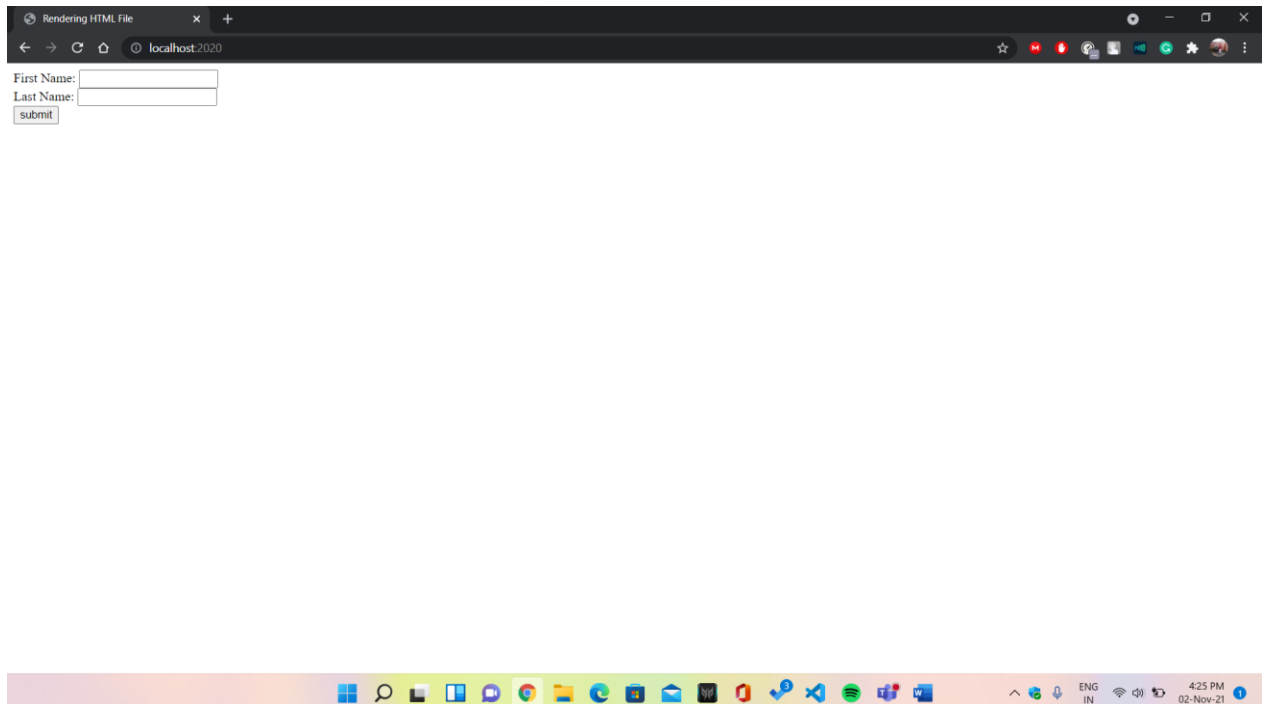
## Display.js:

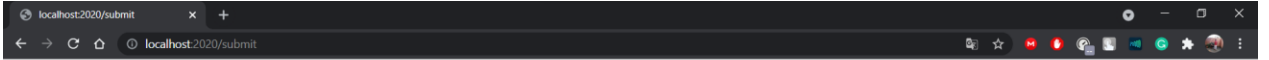


## Index.html:



Output:





Jatla Nikhil Sai Lalith

