

## Online reservation system

In this project I have integrated using MEAN stack development Technology. This project is about a customer web portal where the following modules are implemented, CRUD OPERATIONS

- Login
- Register
- Add customer(CREATE)
- View customer(READ)
- Delete customer(DELETE)
- Update customer details(UPDATE)

## BACKEND

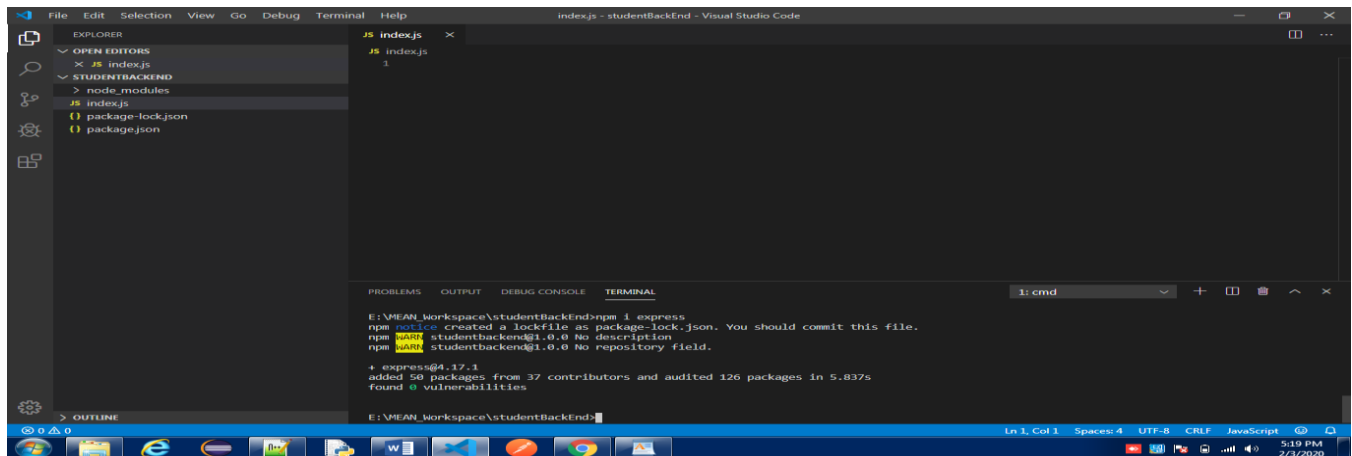
**Express Node Setup:**

**In command Prompt:-**

I have created **node\_workspace** folder at D drive:

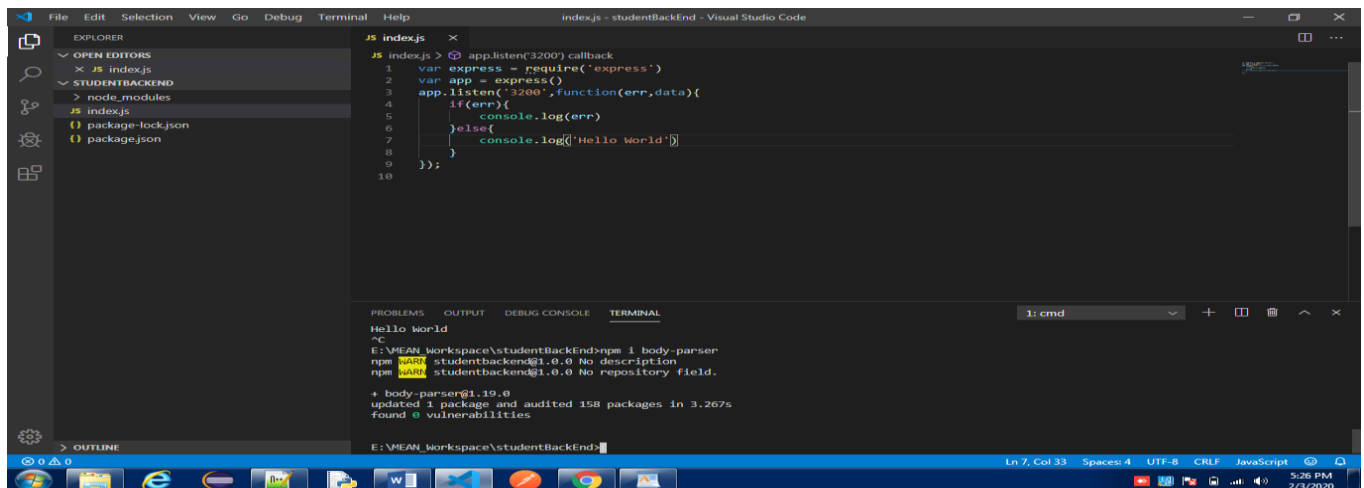
**Install express.js framework to access node server:**

>D:\node\_workspace\ studentBackEnd >npm i express



**Get the user data from browser using POST method:**

**We have to install “body-parser”** D:\node\_workspace\ studentBackEnd >npm i body-parser

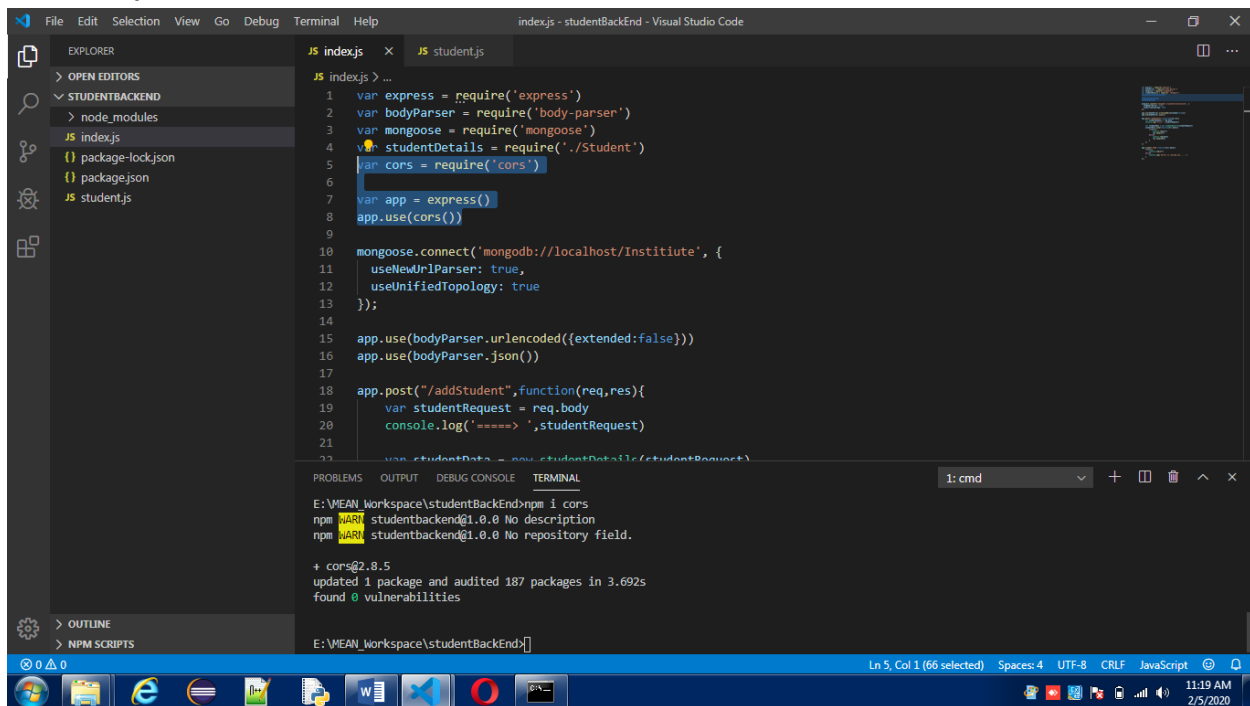


// Get the value from mongoDB

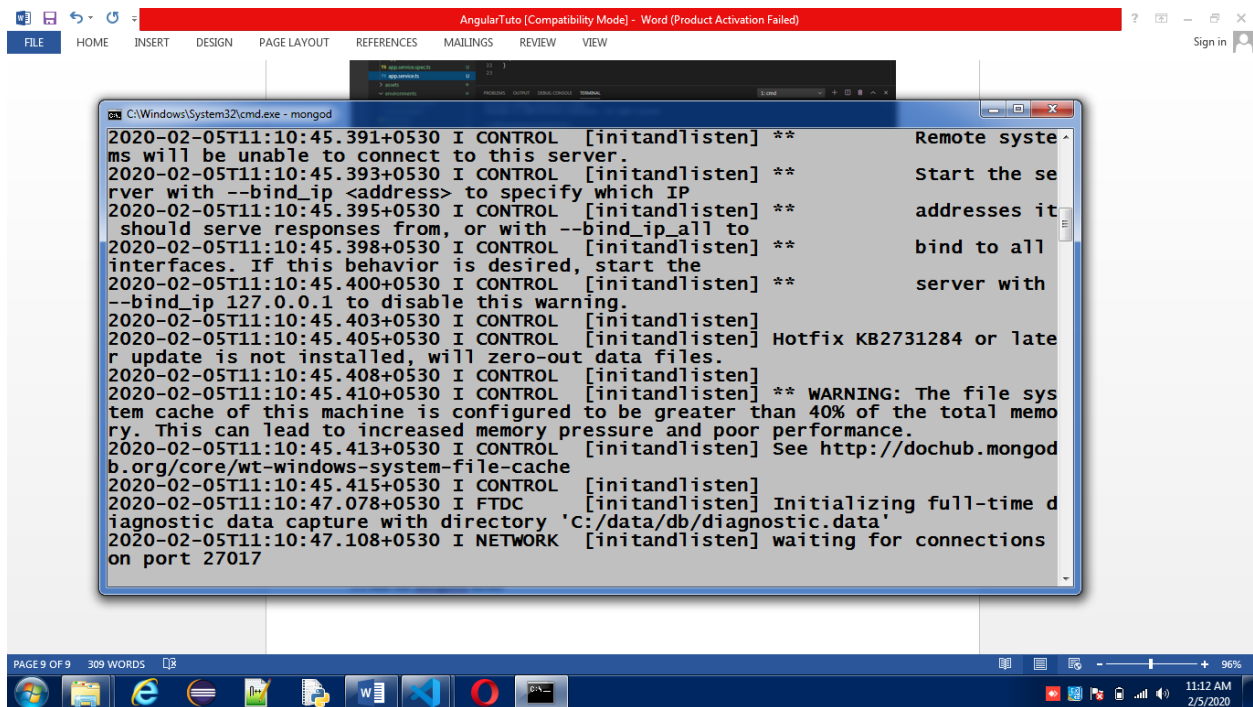
D:\node\_workspace\teststudent>npm i mongoose

Install and import middleware cors on StudentBackEnd→index.js

>npm i cors



Run the MongoDB server



```
// run the server
```

```
D:\node_workspace\teststudent>node index.js
```

Server is running.....

## ANGULAR

### Front End

**Environment Setup required for Angular 7.**

**To install Angular 7, we require the following –**

1. Nodejs
2. Npm
3. Angular CLI

#### Set up Details:

To install Angular 7, we require the following

##### **1. Nodejs**

It provides required libraries to run Angular project. Node.js serves your run-time environment as your localhost.

Go to official website for downloading.

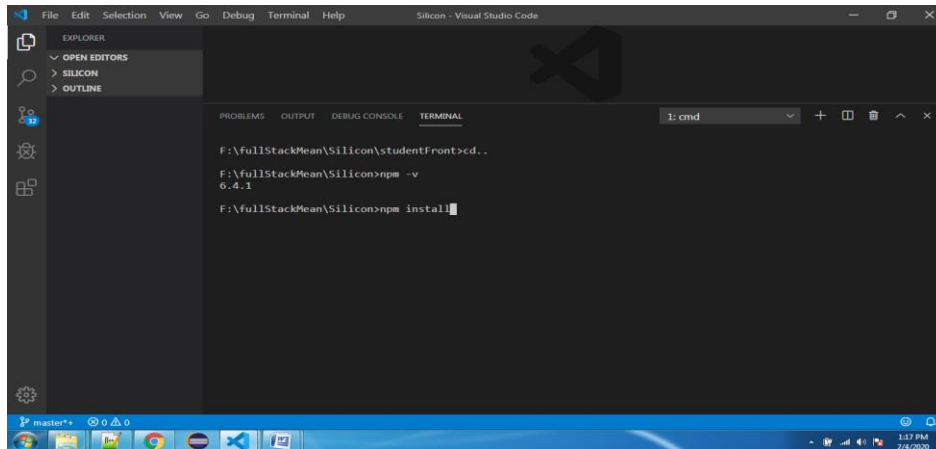
<https://nodejs.org/en/>

##### **2. Npm (node.js package manager)**

To check version using command window.

> npm -v

> npm install (given below)



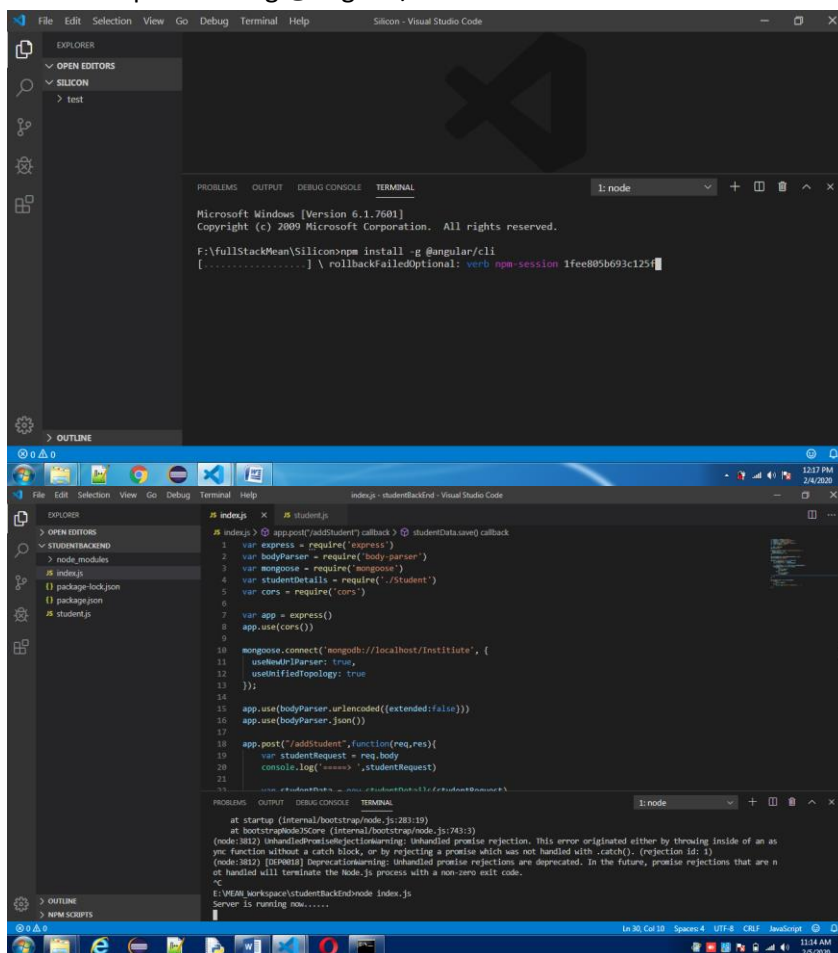
```
File Edit Selection View Go Debug Terminal Help Silicon - Visual Studio Code
EXPLORER
  OPEN EDITORS
  SILICON
  OUTLINE
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: cmd
F:\fullStackMean\Silicon\studentFront>cd..
F:\fullStackMean\Silicon>npm -v
6.4.1
F:\fullStackMean\Silicon>npm install
```

### 3. Install the Angular CLI:

To install the CLI using npm, open a terminal/console window and enter the following

Command:

>npm install -g @angular/cli



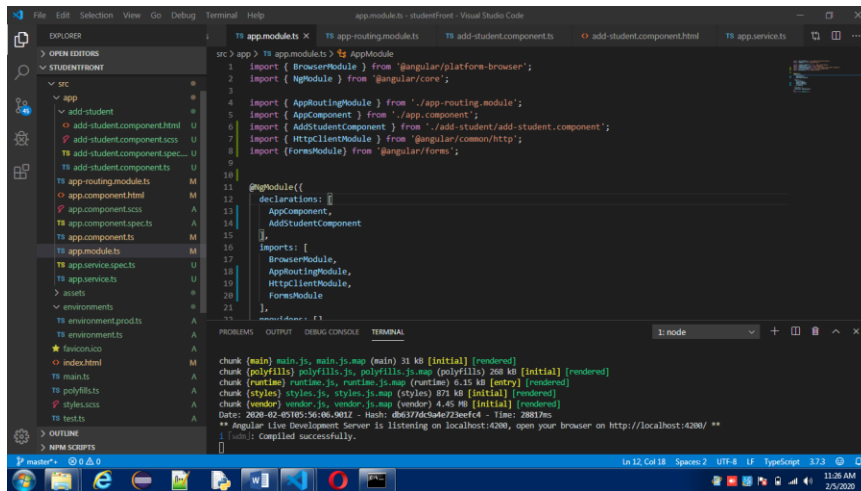
```
File Edit Selection View Go Debug Terminal Help Silicon - Visual Studio Code
EXPLORER
  OPEN EDITORS
  SILICON
  test
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL 1: node
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

F:\fullStackMean\Silicon>npm install -g @angular/cli
[.....] \ rollbackFailedOptional: verb npm-session 1fee805b693c125f

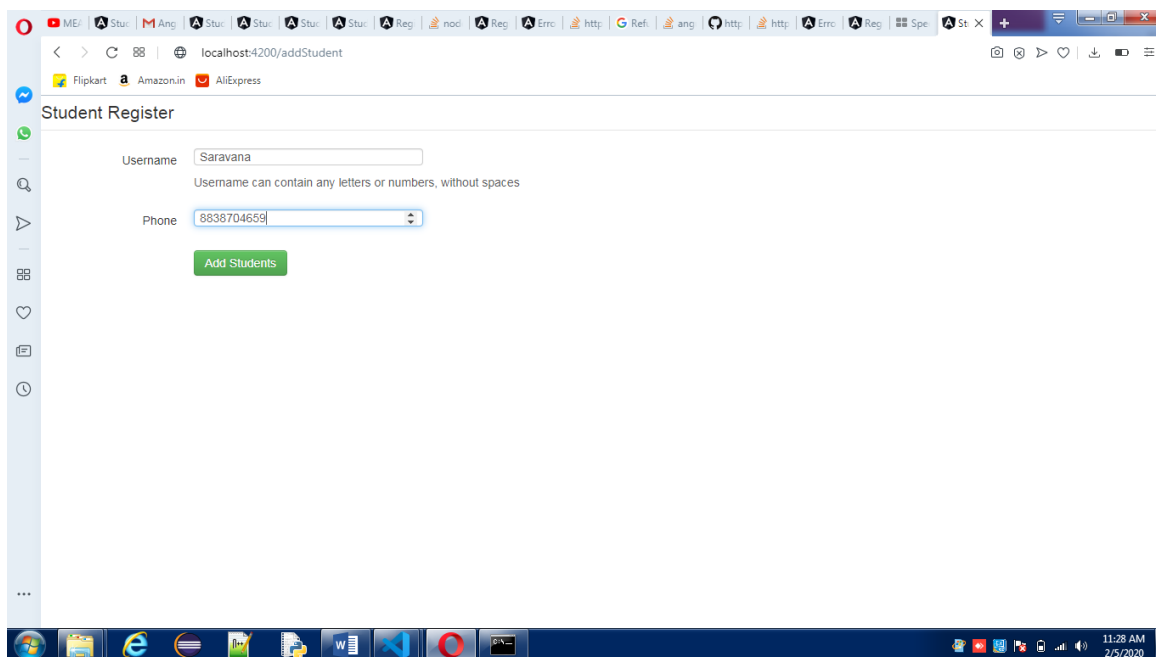
index.js x student.js
index.js > @ app.post('/addStudent') callback > @ studentData.save() callback
1 var express = require('express')
2 var bodyParser = require('body-parser')
3 var mongoose = require('mongoose')
4 var studentDetails = require('./student')
5 var cors = require('cors')
6
7 var app = express()
8 app.use(cors())
9
10 mongoose.connect('mongodb://localhost:27020/institute', {
11   useNewUrlParser: true,
12   useUnifiedTopology: true
13 });
14
15 app.use(bodyParser.urlencoded({extended:false}))
16 app.use(bodyParser.json())
17
18 app.post('/addStudent',function(req,res){
19   var studentRequest = req.body
20   console.log('====> ',studentRequest)
21 }
22
23
at startup (internal/bootstrap/node.js:283:19)
at bootstrapNodeScore (internal/bootstrap/node.js:743:3)
(node:3812) UnhandledPromiseRejectionWarning: Unhandled promise rejection. This error originated either by throwing inside of an as
ync function without a catch block, or by rejecting a promise which was not handled with .catch(). (rejection id: 1)
(node:3812) [DEP0018] DeprecationWarning: Unhandled promise rejections are deprecated. In the future, promise rejections that are n
ot handled will terminate the Node.js process with a non-zero exit code.
<<
E:\MEAN\workspace\studentBackEnd\node index.js
Server is running now.....
```

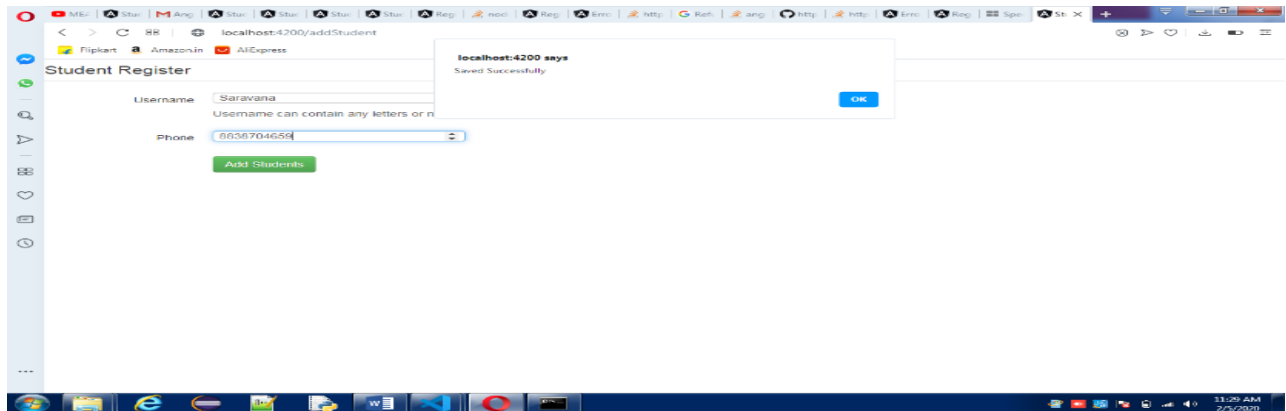
### 3.3 Run the StudentFrontEnd

> ng serve open

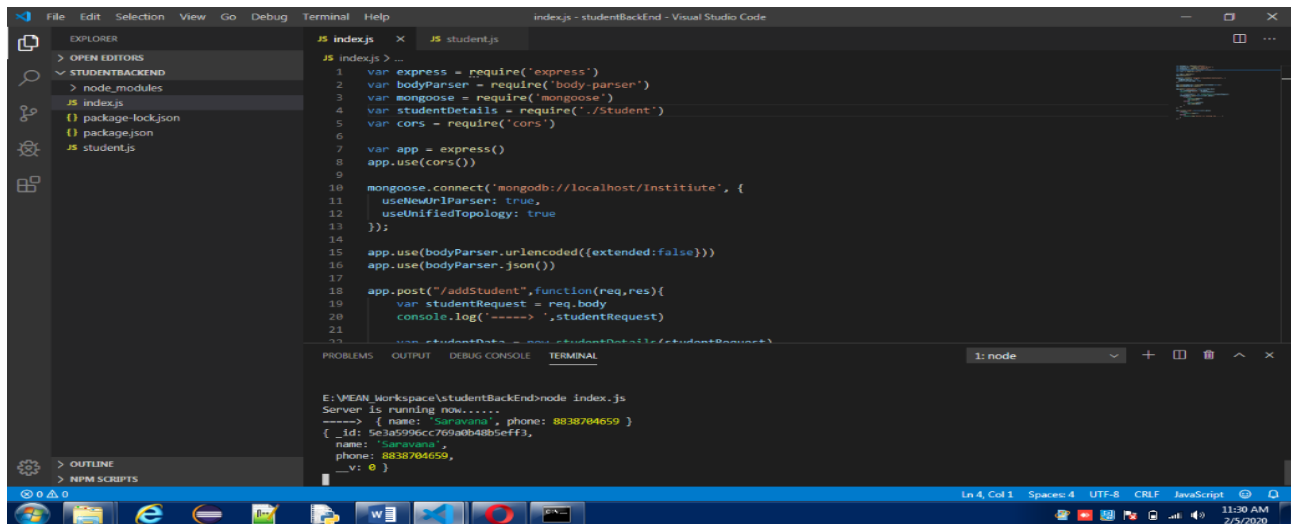


### Project Run On Browser





Output will be print Console and store the data to DB



To check the DB

