

# ASSIGNMENT-3

## FULL STACK DEVELOPMENT(MERN STACK)

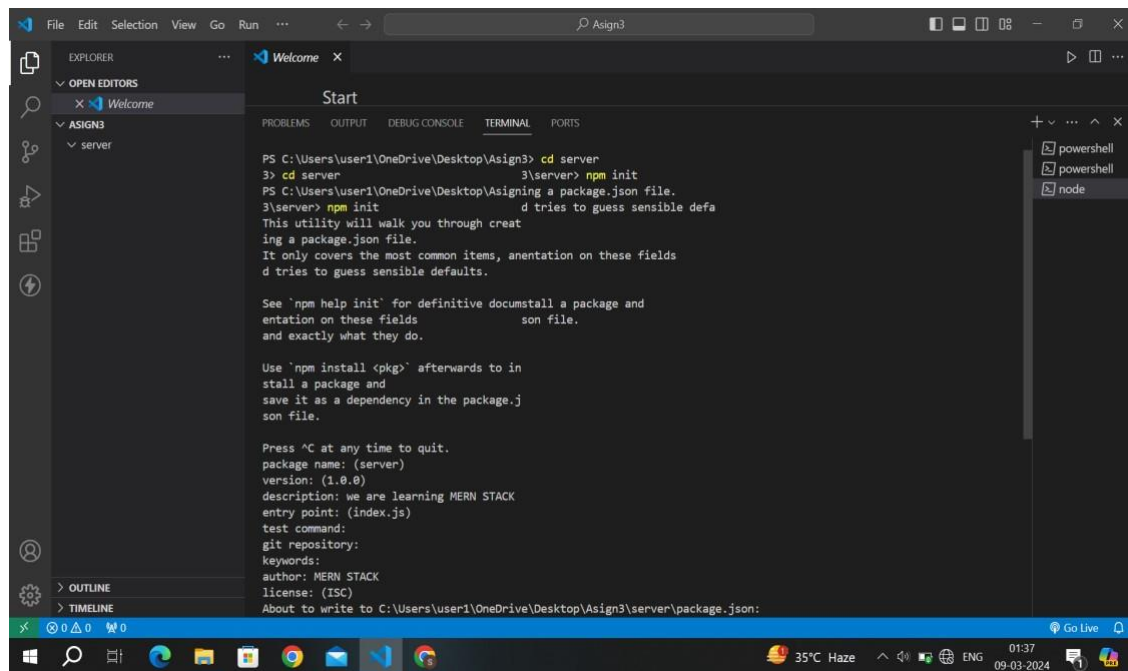
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Course :Full Stack Devlopment(MERN stack).

College :Sri Venkateswara Institute of Technology,Anantapur.

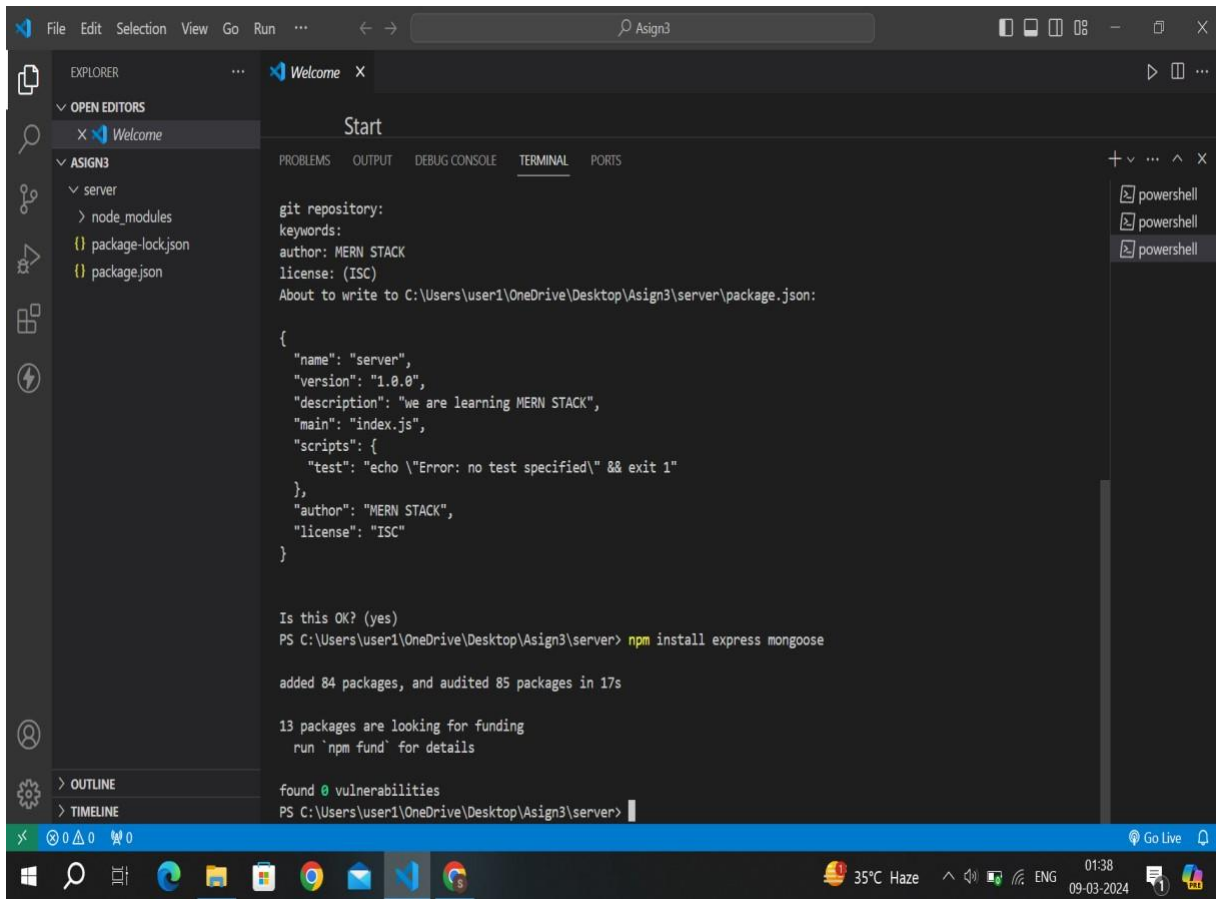


The screenshot shows a Visual Studio Code (VS Code) interface with a terminal window open. The terminal displays the output of the 'npm init' command executed in a PowerShell session. The command prompt is 'PS C:\Users\user1\OneDrive\Desktop\Assign3> cd server' followed by '3> cd server' and '3\server> npm init'. The output of 'npm init' is as follows:

```
PS C:\Users\user1\OneDrive\Desktop\Assign3> cd server
3> cd server
PS C:\Users\user1\OneDrive\Desktop\Assign3> 3\server> npm init
3\server> npm init
This utility will walk you through creating a package.json file.
It only covers the most common items, and defaults to some
reasonable defaults. See `npm help init` for more.

package name: (server)
version: (1.0.0)
description: we are learning MERN STACK
entry point: (index.js)
test command:
git repository:
keywords:
author: MERN STACK
license: (ISC)
About to write to C:\Users\user1\OneDrive\Desktop\Assign3\server\package.json:
```

The terminal window also shows the 'package.json' file being created. The VS Code interface includes the Explorer sidebar on the left showing the project structure with 'server' folder, and the Output/Debug Console/Terminal/Ports panel at the bottom.



This screenshot shows the Visual Studio Code interface with a terminal window open. The Explorer sidebar on the left shows a project structure with a 'server' directory containing 'package-lock.json' and 'package.json'. The terminal window displays the output of an 'npm install' command. It shows the installation of 84 packages and 85 audits in 17 seconds. The package.json file content is also visible in the background.

```
git repository:
keywords:
author: MERN STACK
license: (ISC)
About to write to C:\Users\user1\OneDrive\Desktop\Assign3\server\package.json:

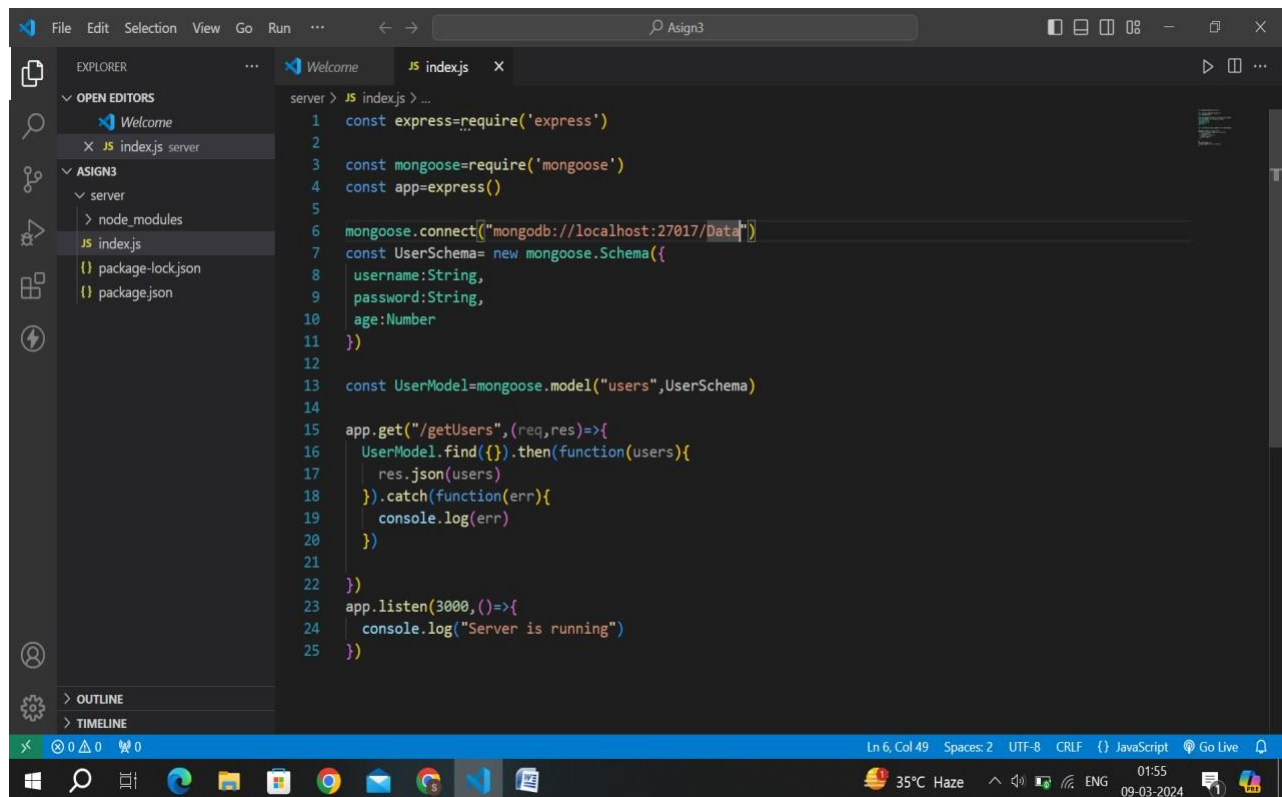
{
  "name": "server",
  "version": "1.0.0",
  "description": "we are learning MERN STACK",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "MERN STACK",
  "license": "ISC"
}

Is this OK? (yes)
PS C:\Users\user1\OneDrive\Desktop\Assign3\server> npm install express mongoose

added 84 packages, and audited 85 packages in 17s

13 packages are looking for funding
  run 'npm fund' for details

found 0 vulnerabilities
PS C:\Users\user1\OneDrive\Desktop\Assign3\server>
```



This screenshot shows the Visual Studio Code editor with a file named 'index.js' open. The code is a Node.js application that uses Express and Mongoose. It connects to a MongoDB database at localhost:27017, defines a User schema with fields for username, password, and age, and creates a User model. The application has a GET endpoint '/getUsers' that returns all users from the database. The server is configured to listen on port 3000.

```
server > JS index.js > ...
1  const express=require('express')
2
3  const mongoose=require('mongoose')
4  const app=express()
5
6  mongoose.connect("mongodb://localhost:27017/Data")
7  const UserSchema= new mongoose.Schema({
8    username:String,
9    password:String,
10   age:Number
11 })
12
13 const UserModel=mongoose.model("users",UserSchema)
14
15 app.get("/getUsers",(req,res)=>{
16   UserModel.find({}).then(function(users){
17     res.json(users)
18   }).catch(function(err){
19     console.log(err)
20   })
21 })
22
23 app.listen(3000,()=>{
24   console.log("Server is running")
25 })
```

localhost:27017

{ } My Queries

Data

users

X

+

{ } My Queries

Performance

Databases

Search

Data

Student

users

admin

config

local

test

Data

Docu

Filter

ADD

## Insert Document

To collection Data.users

VIEW



```
1  /**
2  * Paste one or more documents here
3  */
4  {
5    "_id": {
6      "$oid": "65eb71f8870efda4682d601b"
7    },
8    "Name": "ABC",
9    "Age": 14,
10   "Course": "MERN",
11   "College": "SVIT"
12 }
```

Cancel

Insert

0 1  
DOCUMENTS INDEXES

plain

Reset

Find

&lt;&gt;

Options

0 - 0 of 0

&lt;&gt;

=&gt;

{ }

Grid

&gt; \_MONGOSH



35°C Haze

ENG

01:46  
09-03-2024

