Creating a RESTful API using express.js and creating a database and index in MongoDB.

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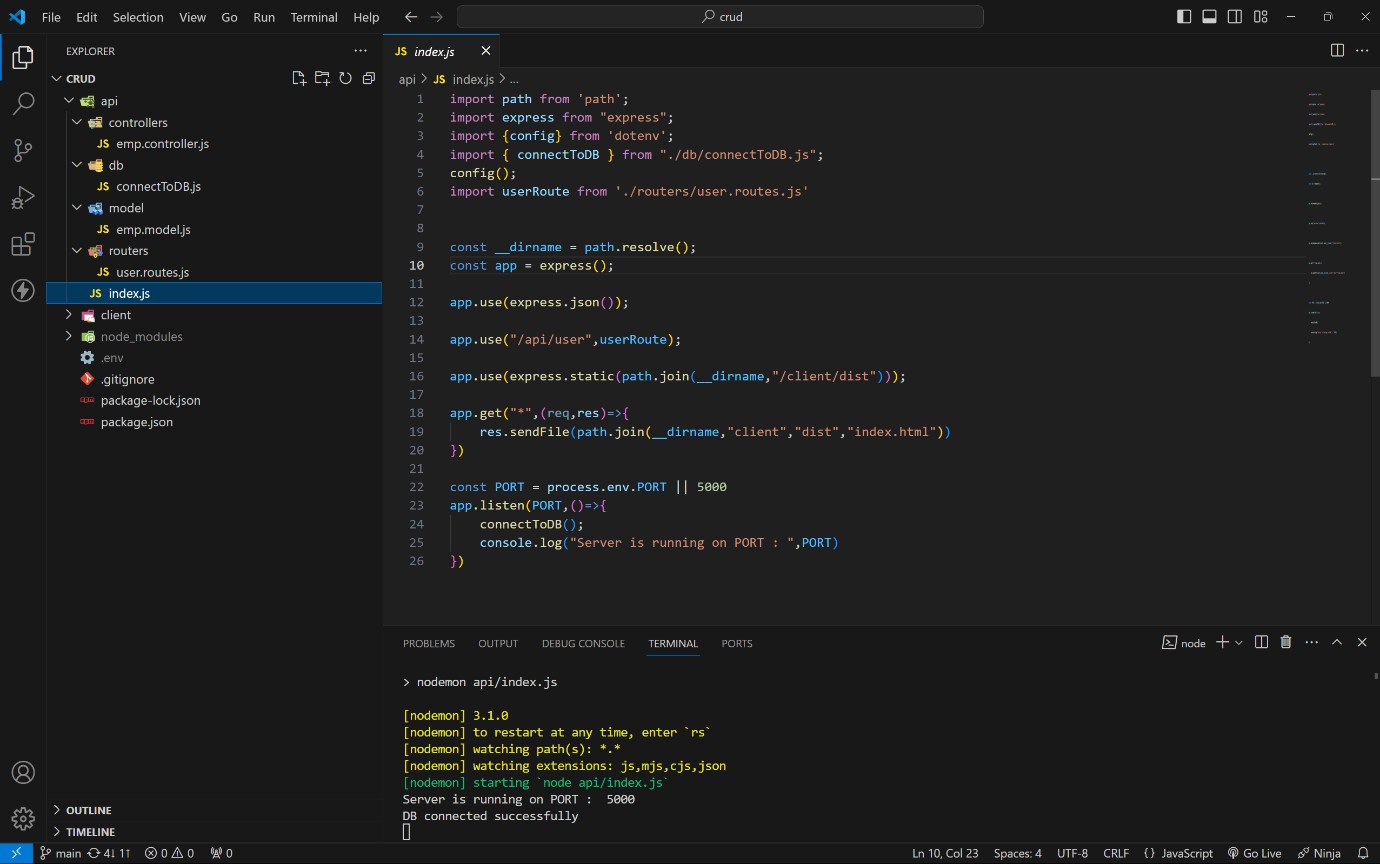
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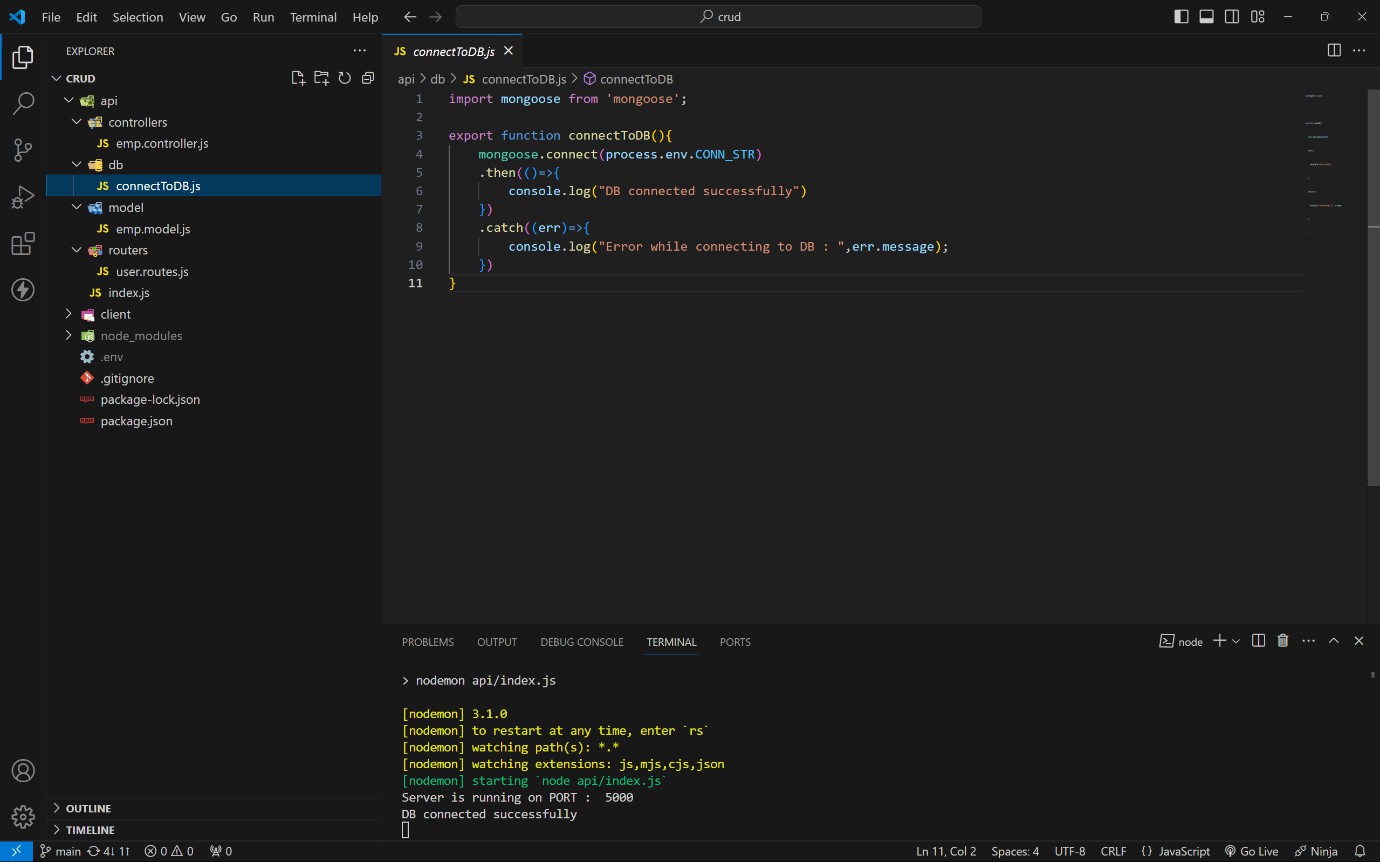
Roll NO: 21NN5A0501 (CSE)

College Name : Vignan's Nirula Institute Of Technology And Science For women

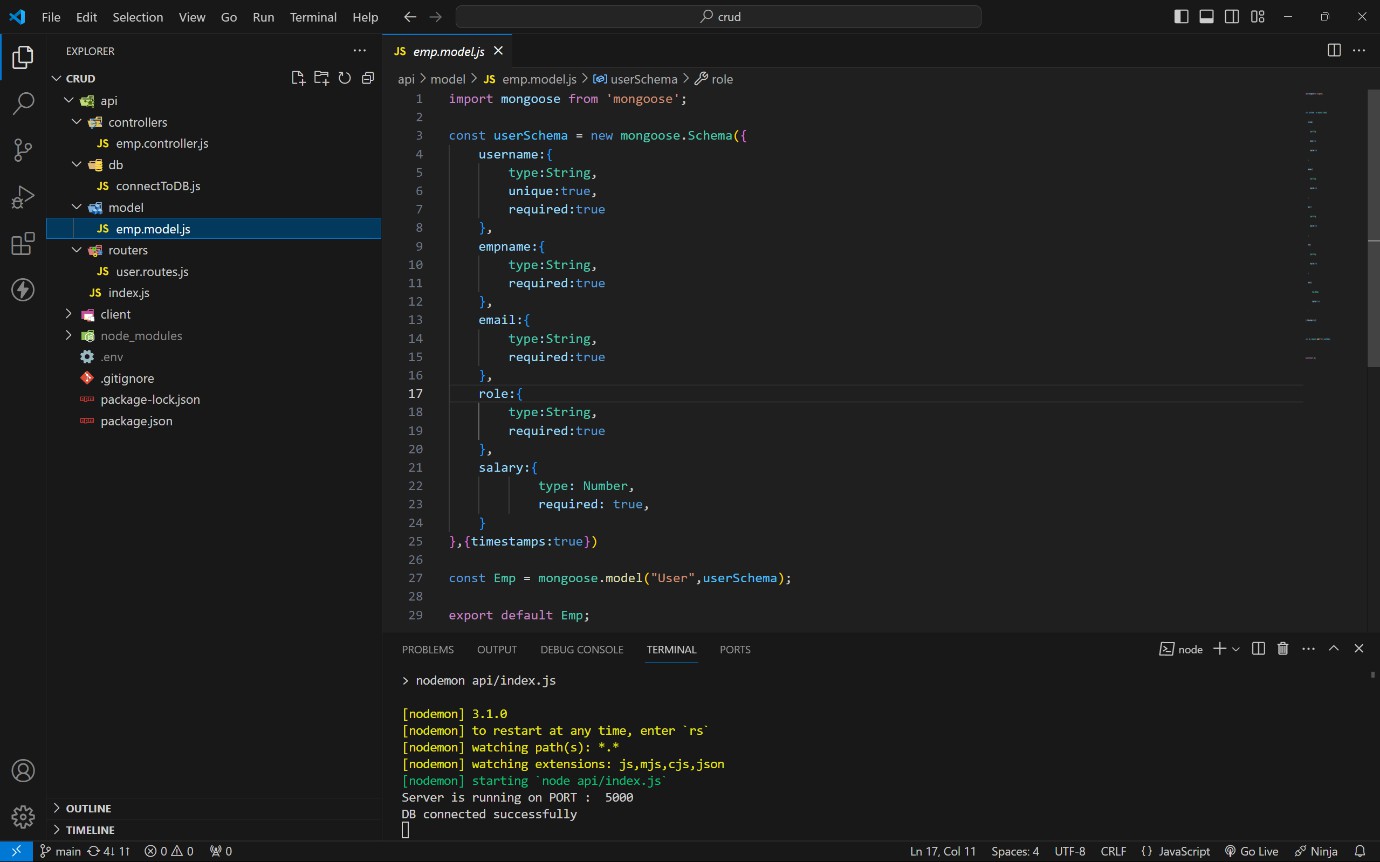
**source code :**

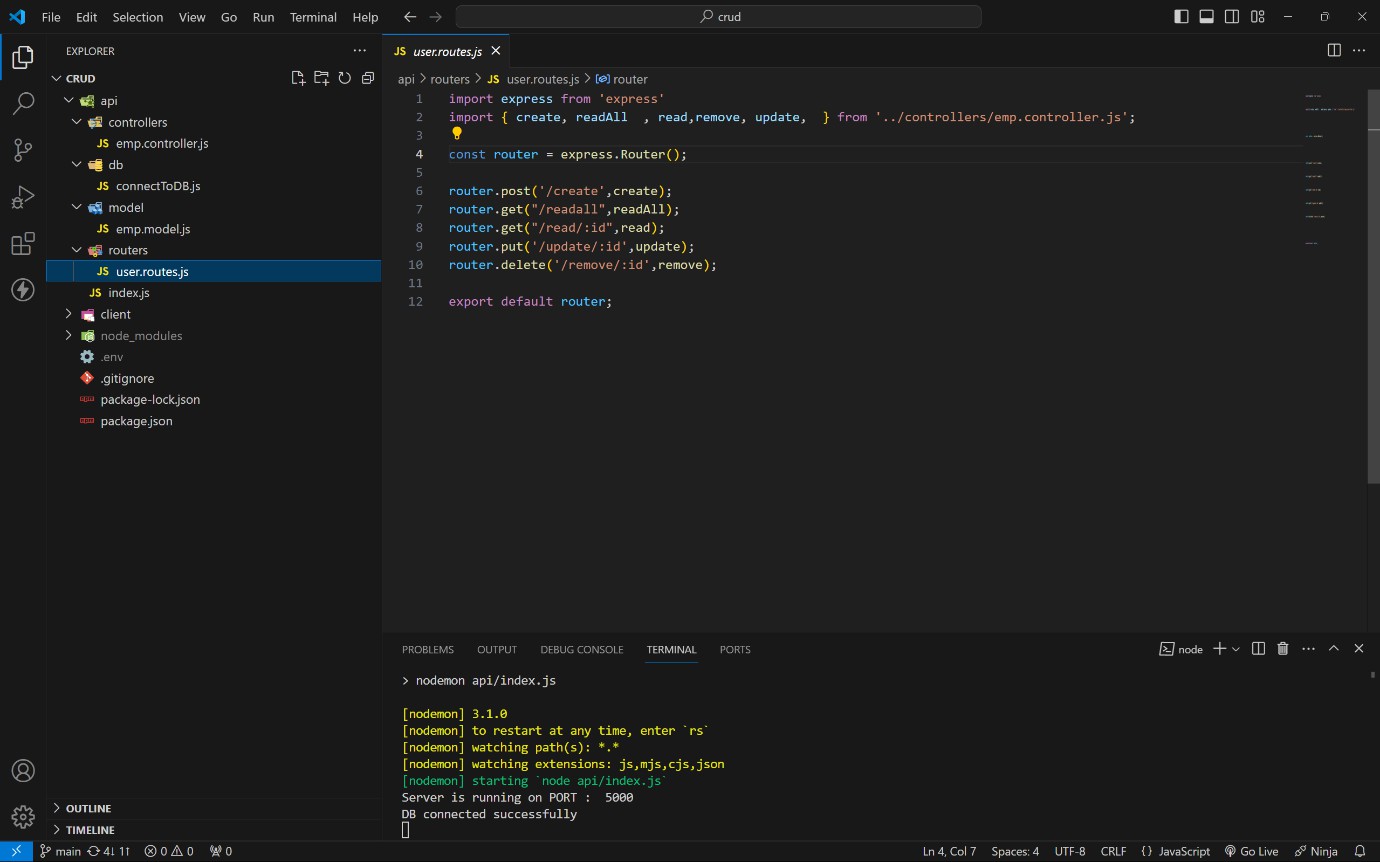
# index.js file :



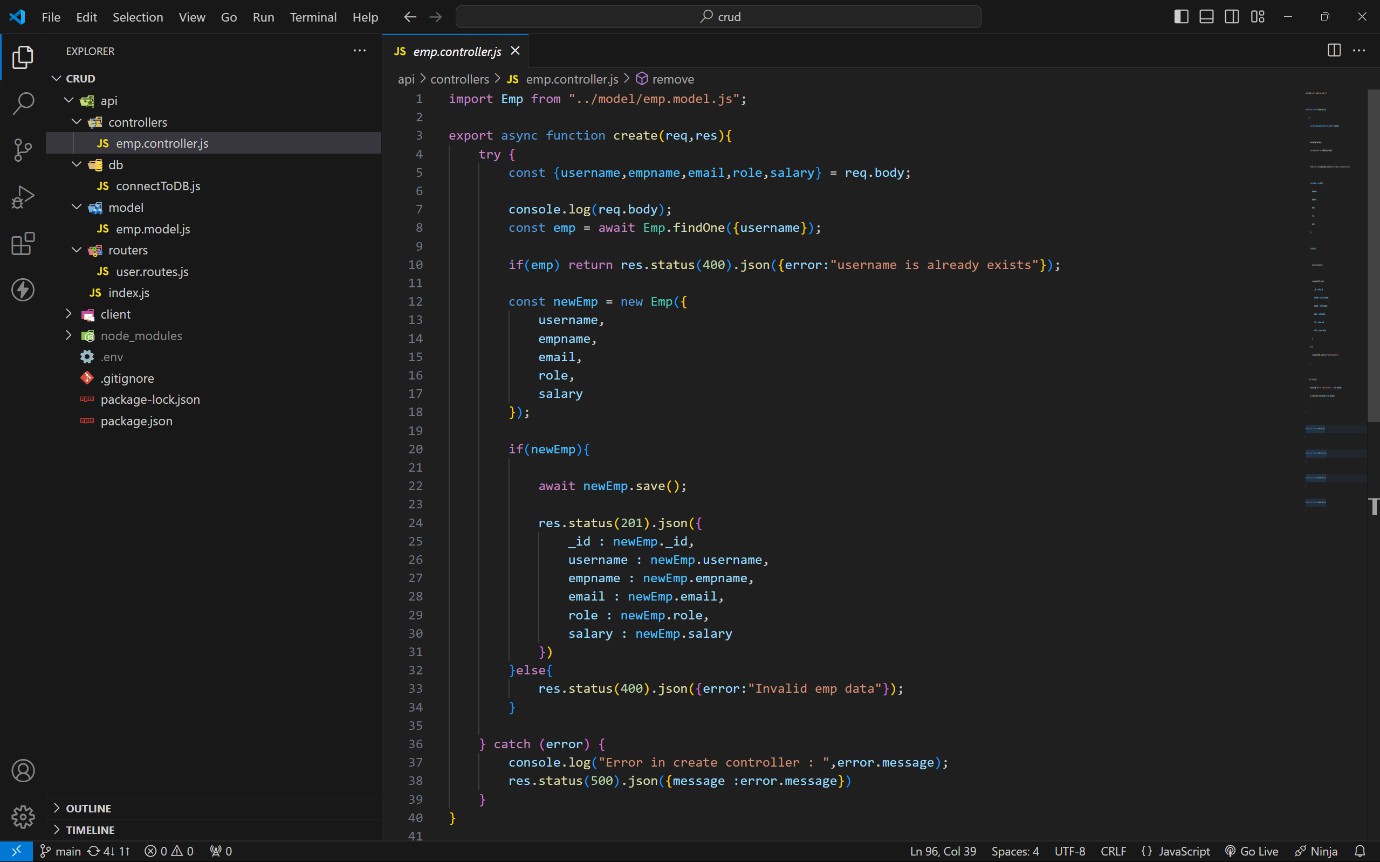


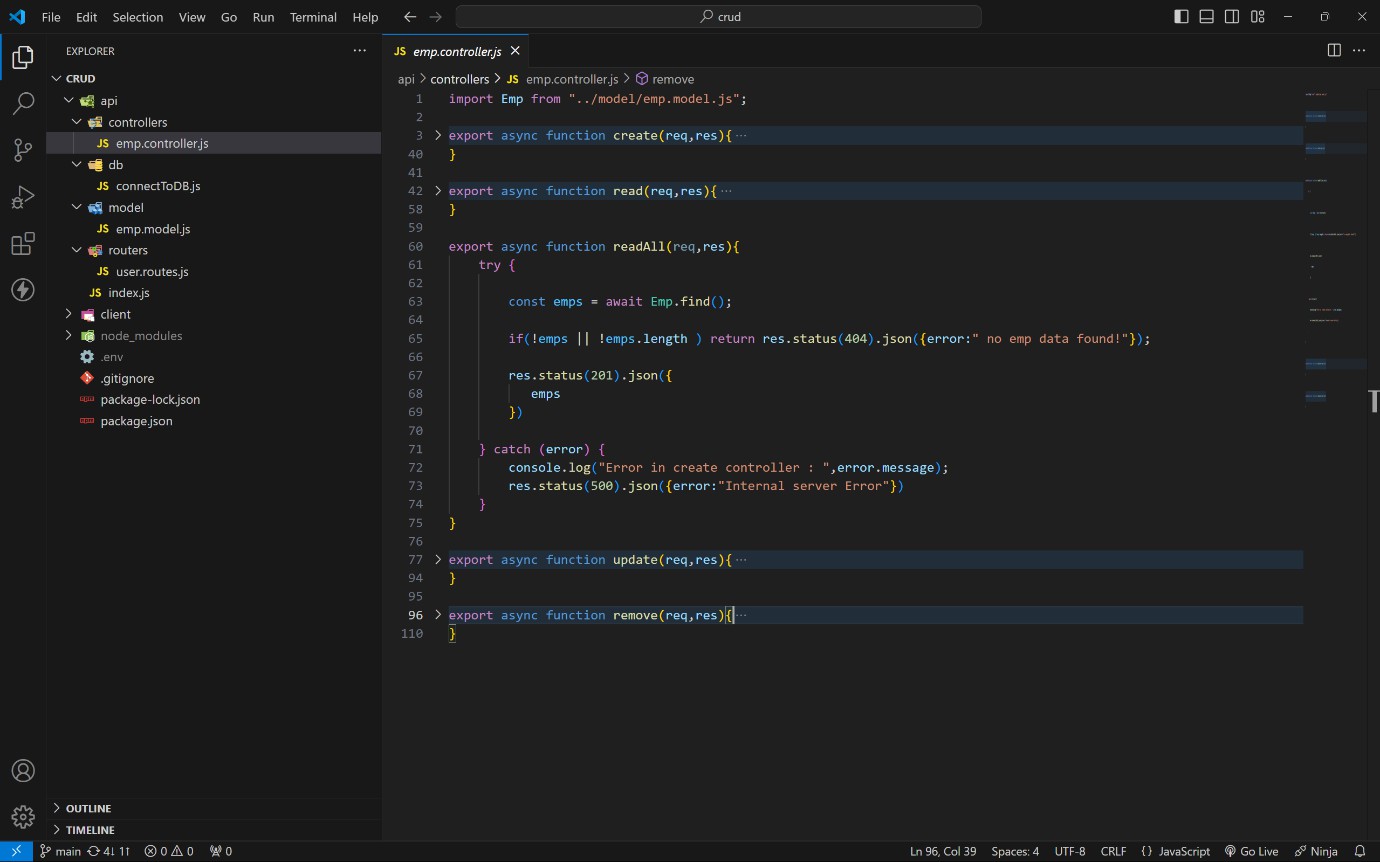
**MODEL :**



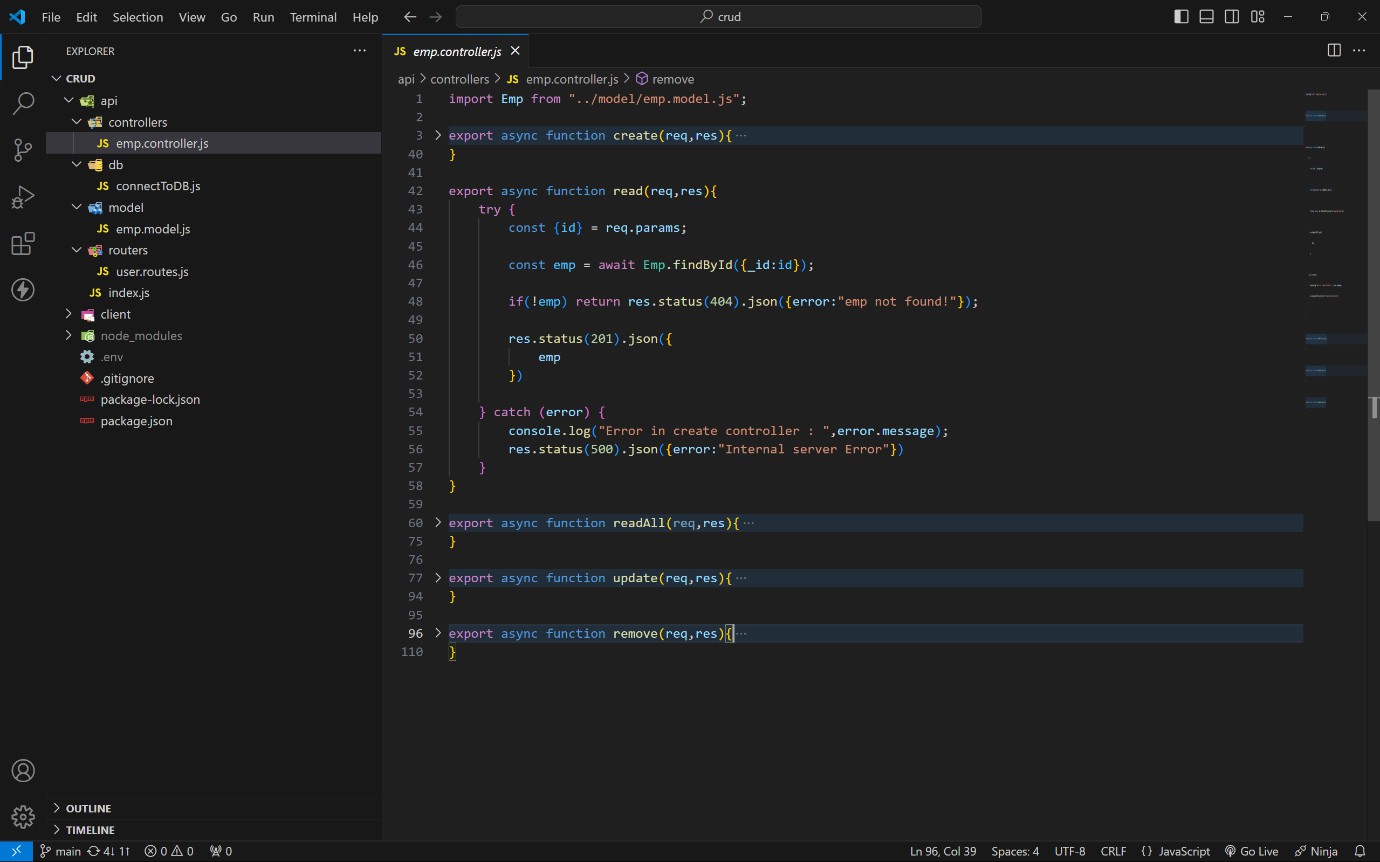


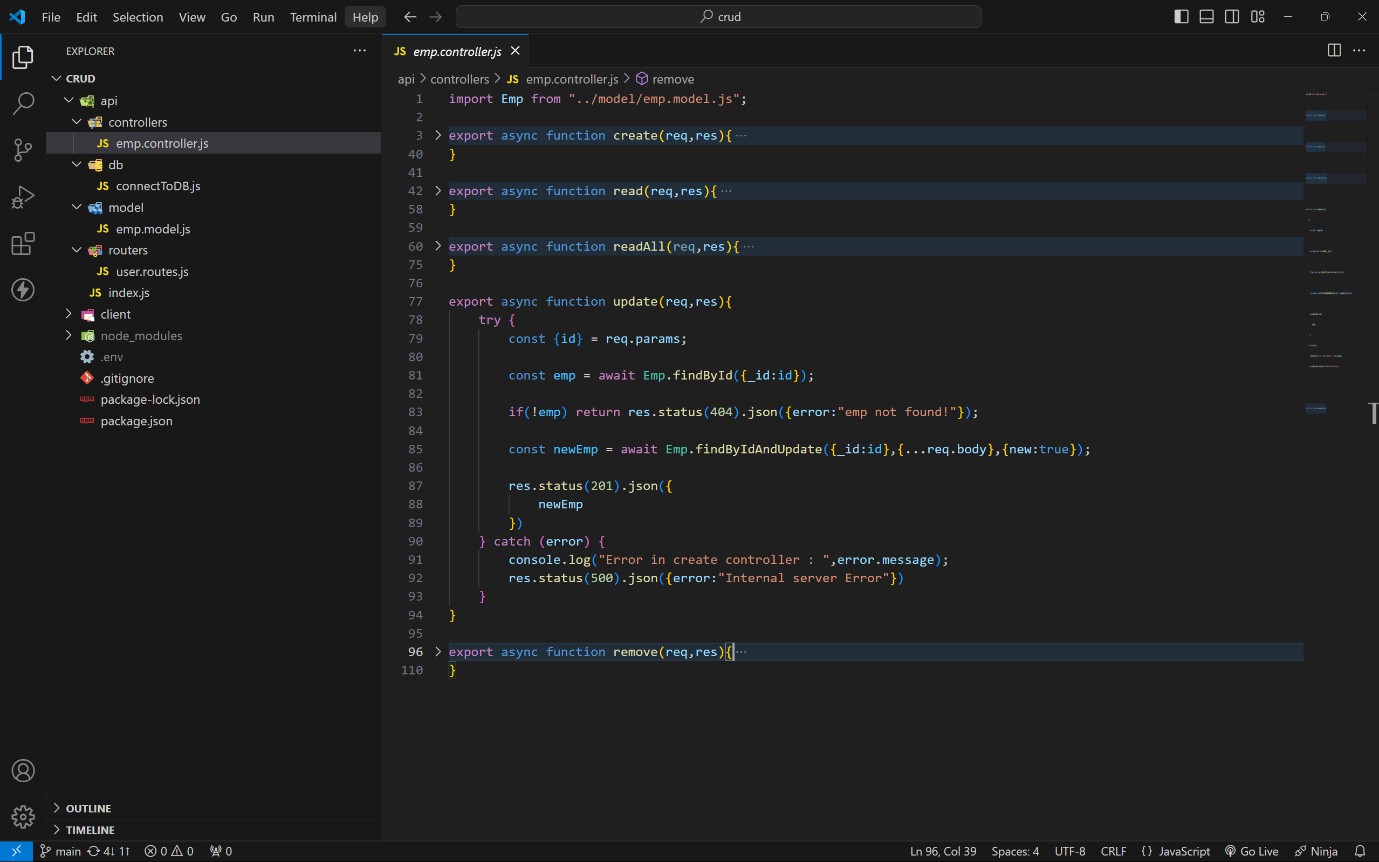
**CONTROLLERS : CREATE :**



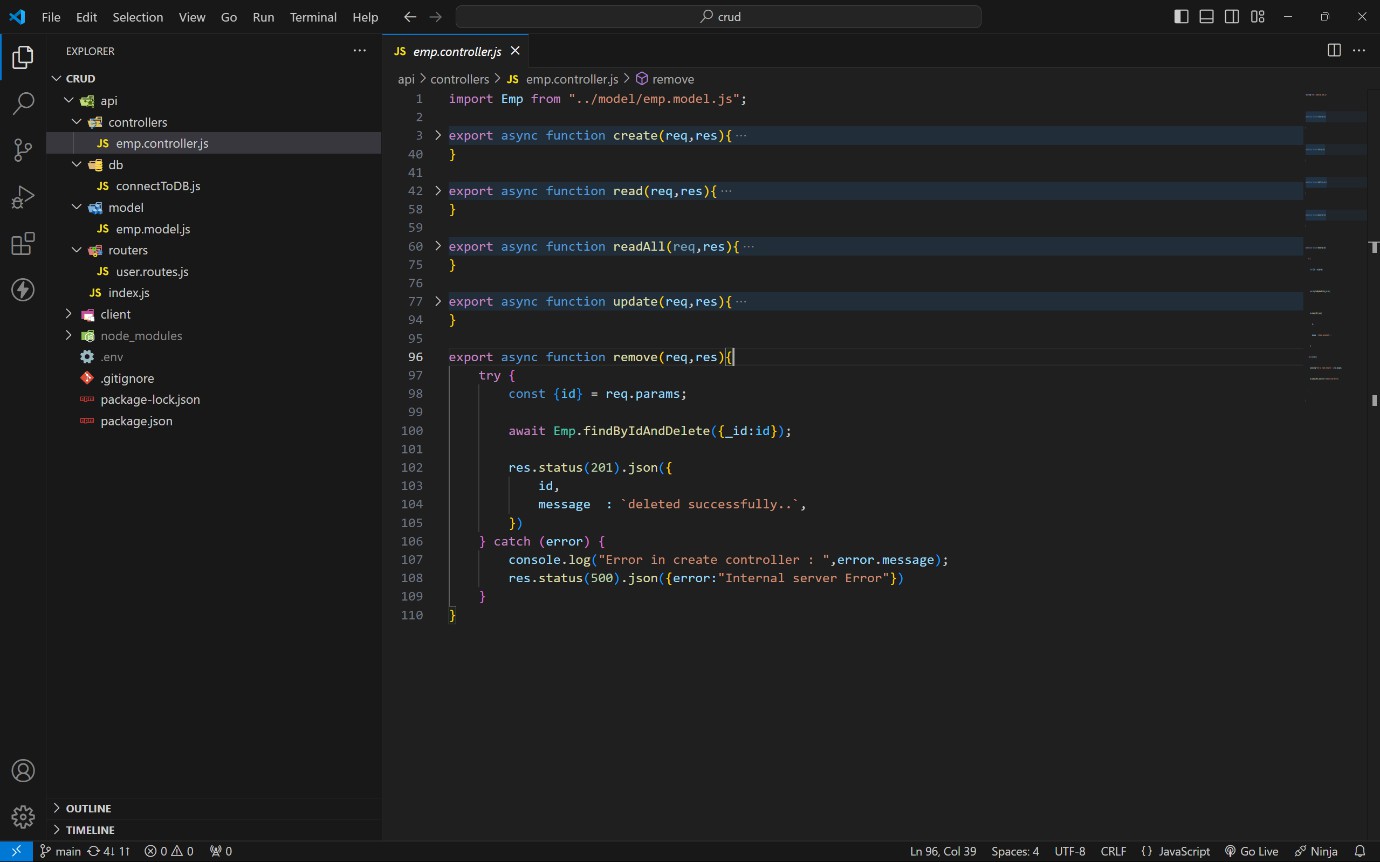


**READONE :**





**DELETE :**



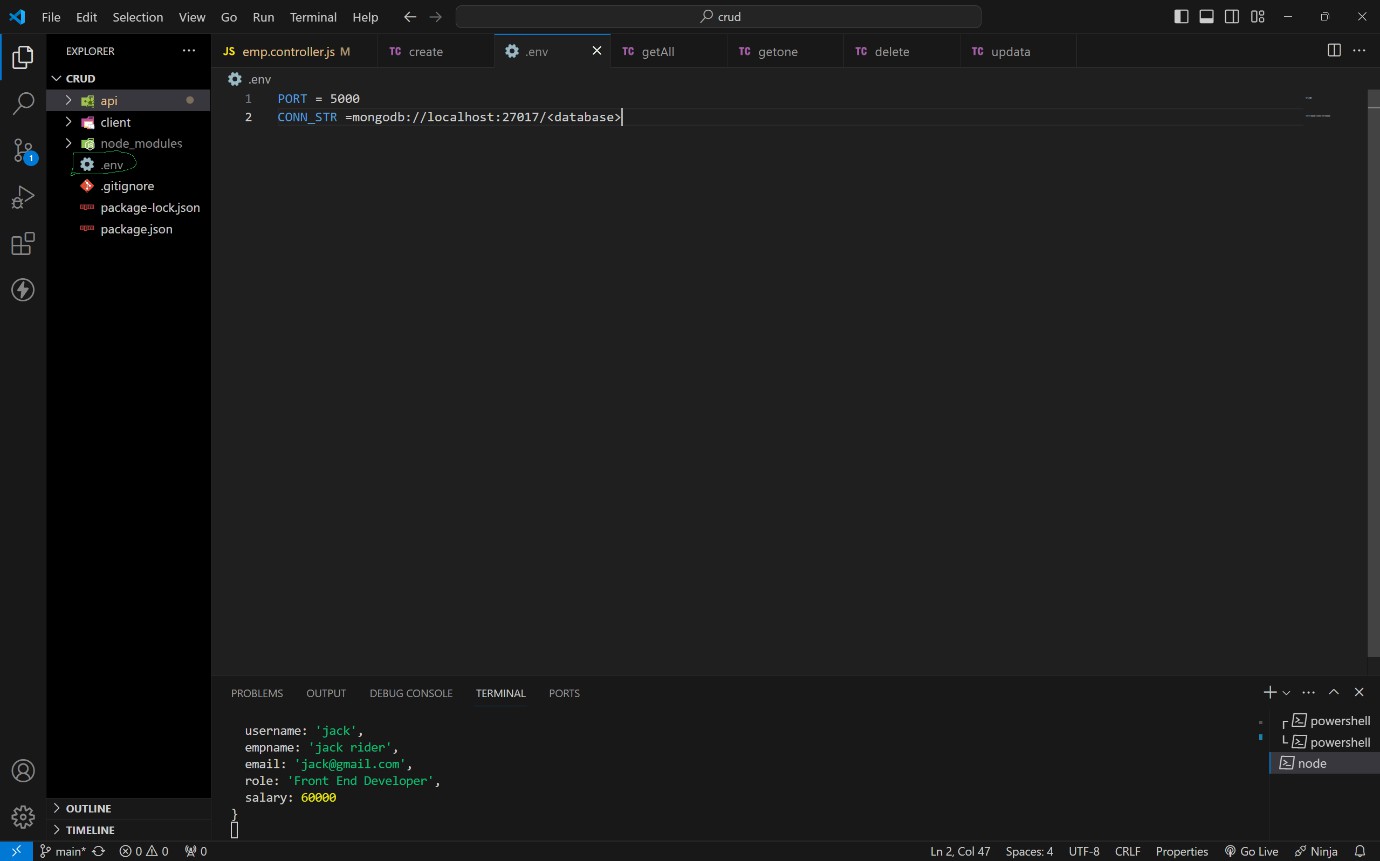
1. **Create a folder as any name.**
2. **Open that folder in any code editor (vs code).**
3. **Open terminal ( ctrl + ~ ) on code editor.**
4. **Type this code to get code locally.**

git clone https://github.com/harikabannu/21NN5A0501-Harika/upload/main/Fullstack%20Assignments

1. **Now move to crud folder (cd crud in terminal)**
2. **Ignore client folder.**
3. **Here crud is root folder.**
4. **In root folder create a .env file and create a PORT and CONN\_STR variables and assign value.**

ex : PORT = 3000 ( commonly any number between 3000 - 8080).

CONN\_STR = your mongodb\_connection\_string.



simply paste this code in .env file .

PORT = 5000

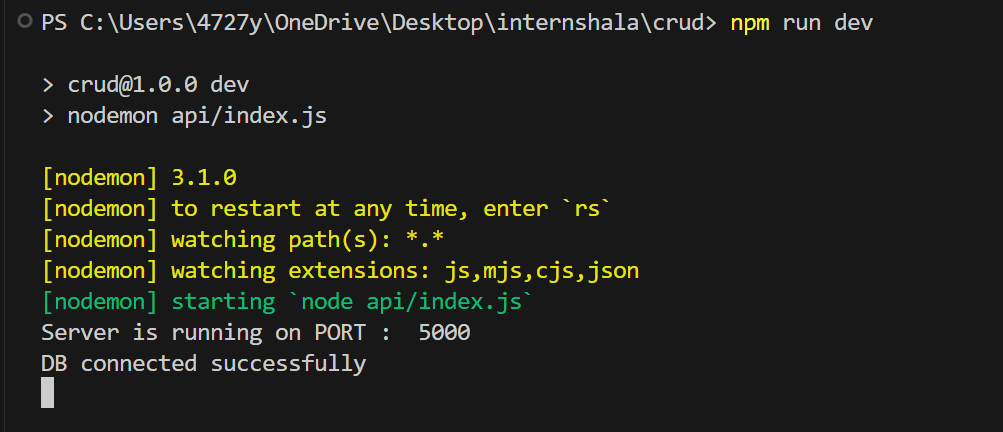
[CONN\_STR=mongodb+srv://4727harika:rough@cluster0.wbclvtg.mongodb.net](mailto:rough@cluster0.wbclvtg.mongodb.net)

/?retryWrites=true&w=majority&appName=Cluster0

1. **After in terminal (in crud folder as root folder) type this command to run server.**

npm i (installing all dependencies) npm run dev (to run server)

1. **if you get below message in terminal then your server will running successfully.**



**route and its functionality :**

For this use any API using tools like Postman or Thunder Client. i use THUNDER CLIENT.

# CREATE ROUTE :

* 1. **This route is used to create a new employee in database with a below fields.**

username, empname, email, role, salary

* 1. **in thunder client click on new request and select this options method as post**

**url as** http://localhost:5000/api/user/create

pass this json data as a body as your required value.

**{**

**"username": "jack", "empname": "jack rider", "email": "**[**jack@gmail.com**](mailto:jack@gmail.com)**", "role": "Front End Developer", "salary": 60000**

**}**

* 1. **finally press send to insert data in mongodb data base and get a inserted**

data as a response.

* 1. **If user is already in db it will return User is already exist as response.**

for more details visit below output images...

**READONE :**

1. **This route is used to read specific user info by passing that user id as a param.**

method as get

url as

http://localhost:5000/api/user/read/65ed7b3d76e1dcc9a51654ca

1. **After sending you will get that specific user details as response.**

**READALL :**

1. **. Read all route is used to get all the user data existing in the mongodb data base .**

method as get

**url as** http://localhost:5000/api/user/readall

1. **. After sending you will get that all user details as response.**

**UPDATE :**

1. **This route is used to update specific user by passing that user id as a param.**

method as put

url as

http://localhost:5000/api/user/update/65ed7b3d76e1dcc9a51654ca

1. **After sending you will get updated user details as response.**

**DELETE :**

1. **This route is used to delete specific user by passing that user id as a param.**

method as delete

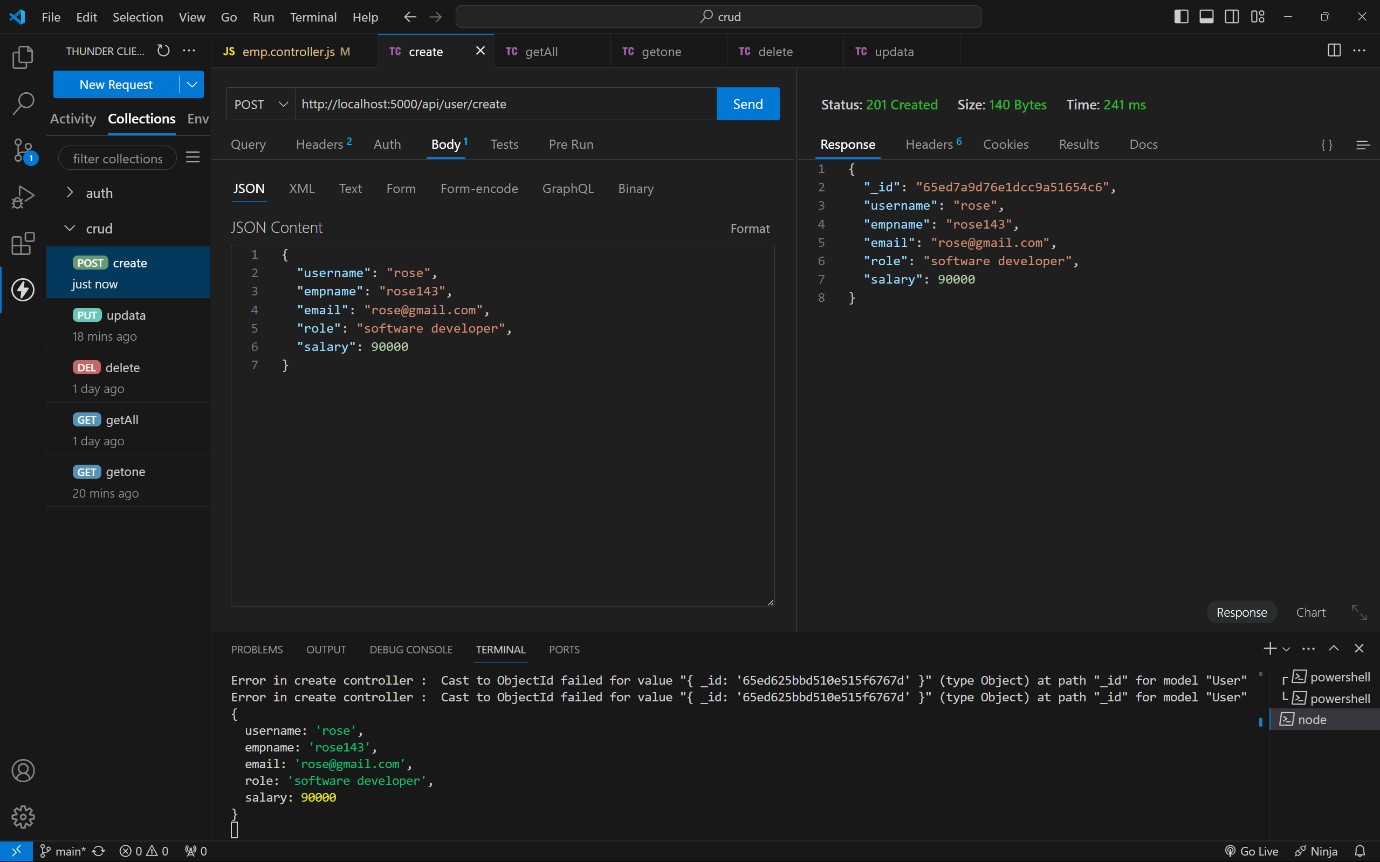
url as

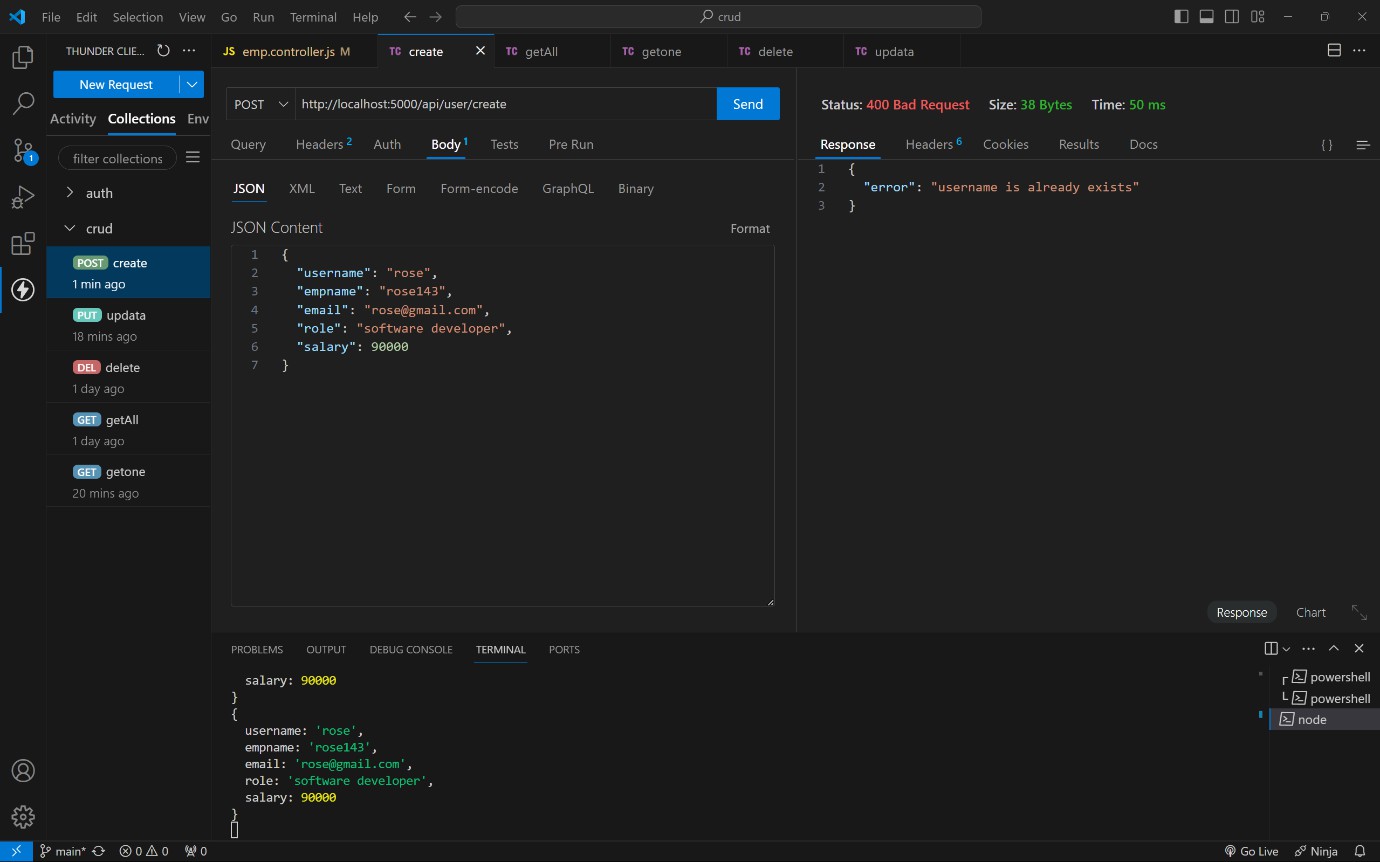
http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

1. **After sending you will deleted successfully as response.**

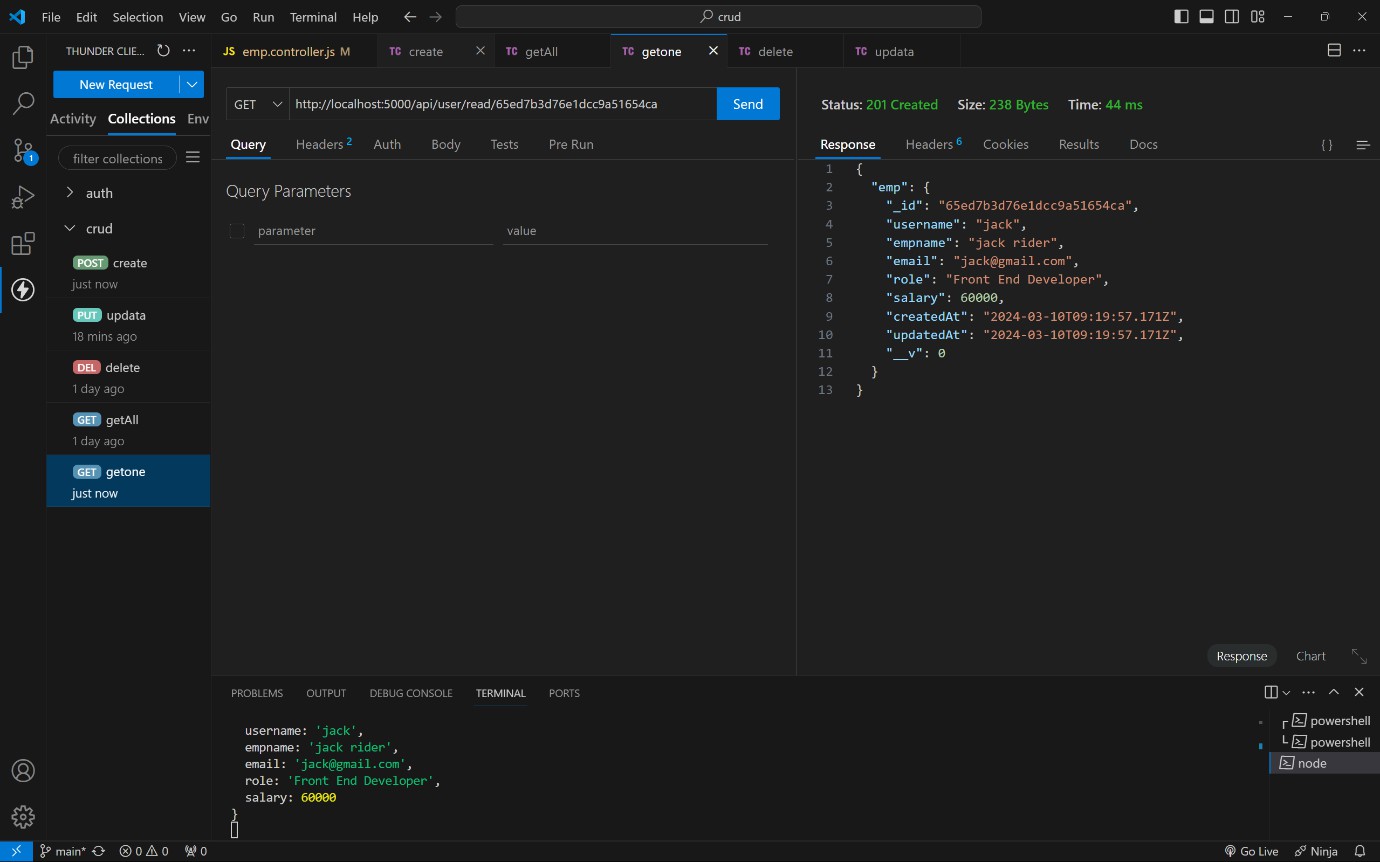
**OUTPUT :**

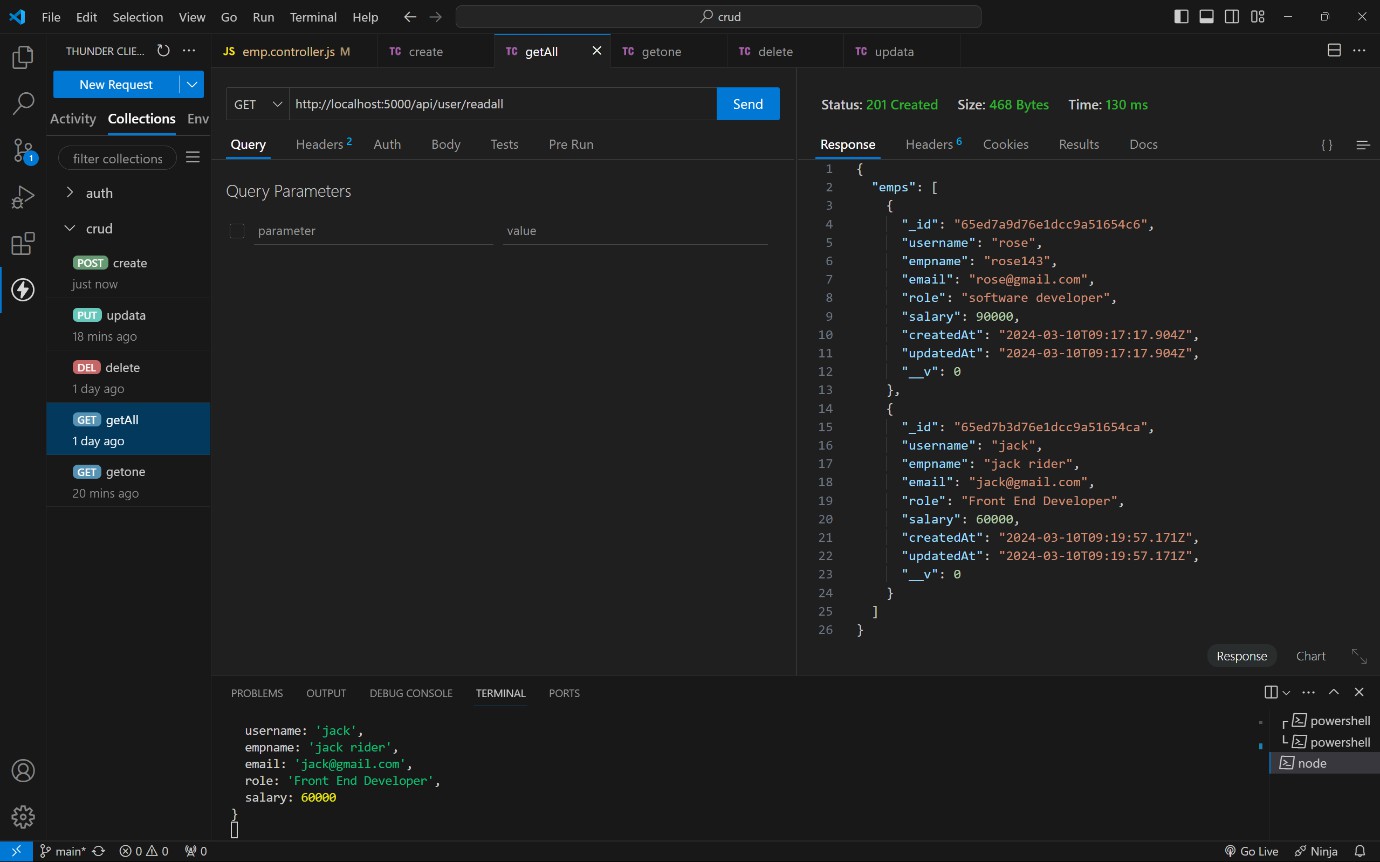
**CREATE A NEW USER :**





**READONE :**





**UPDATE :**

