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

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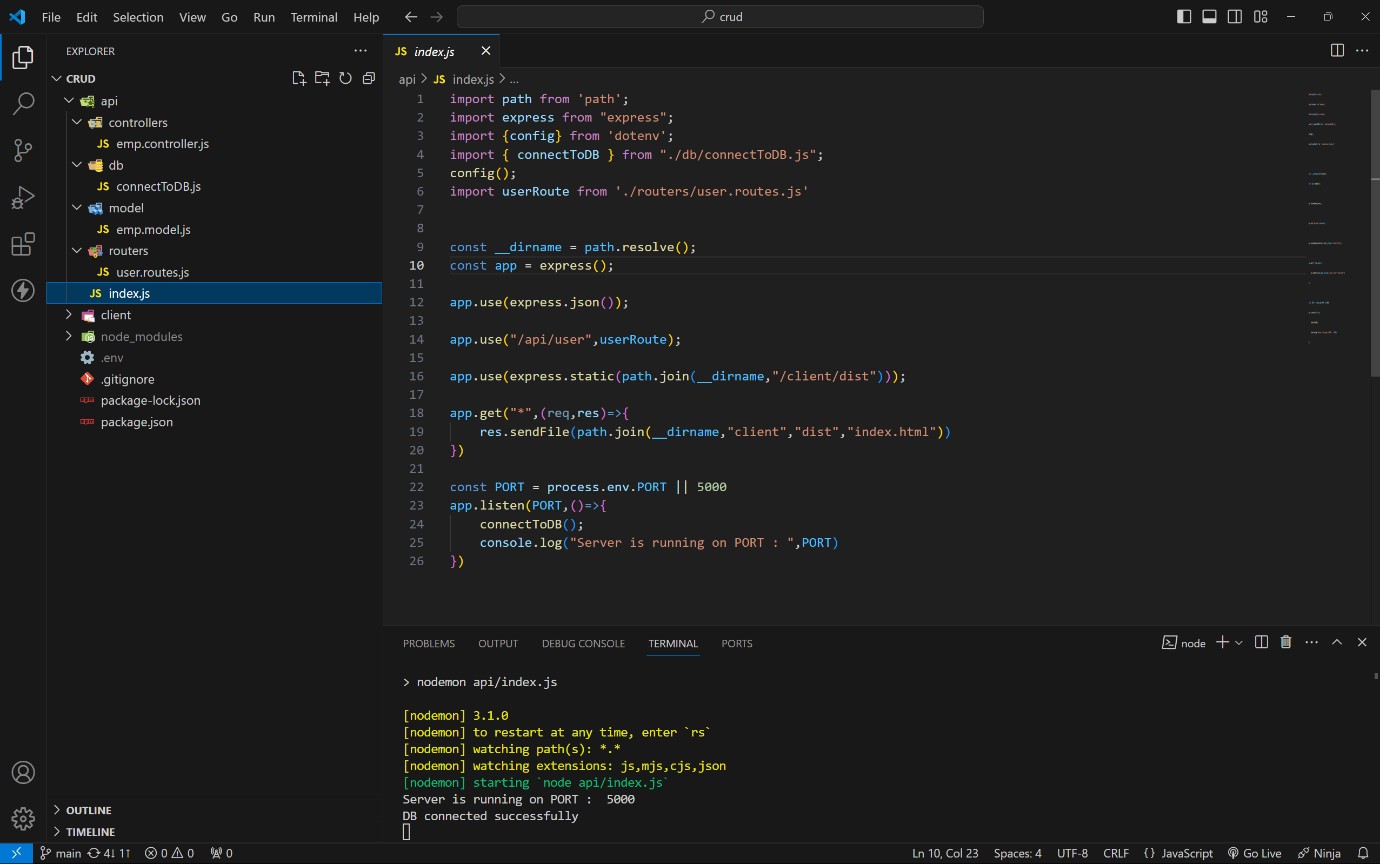
EMAIL [ID:- ballapurampoojitha@gmail.com](mailto:ID:-%20%20%20%20ballapurampoojitha@gmail.com) Phone:-6305396506

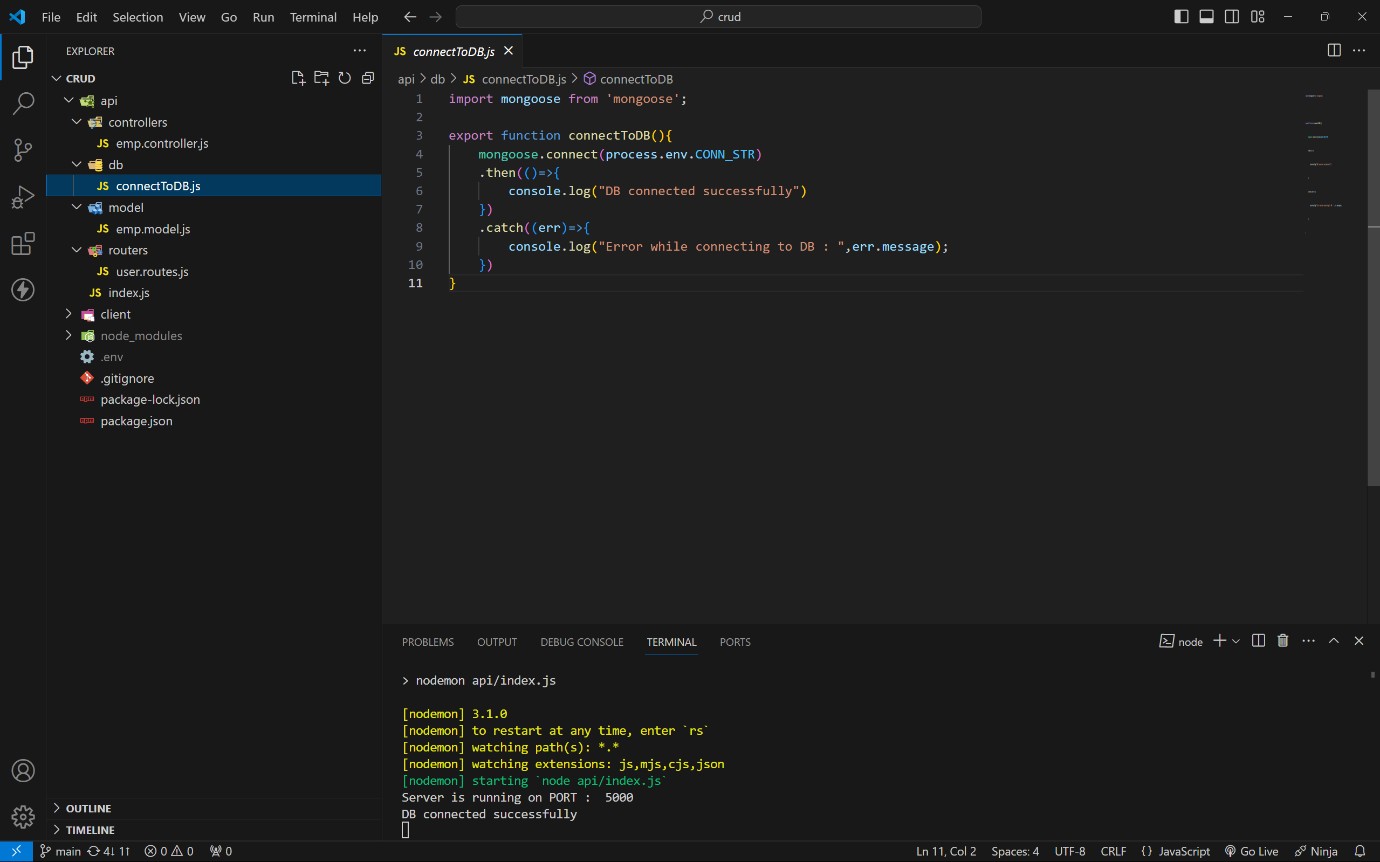
ROLL NUMBER:-2072058(ECE)

COLLEGE:-Sri Padmavathi mahila visvavidyalayam-Mahila universitys

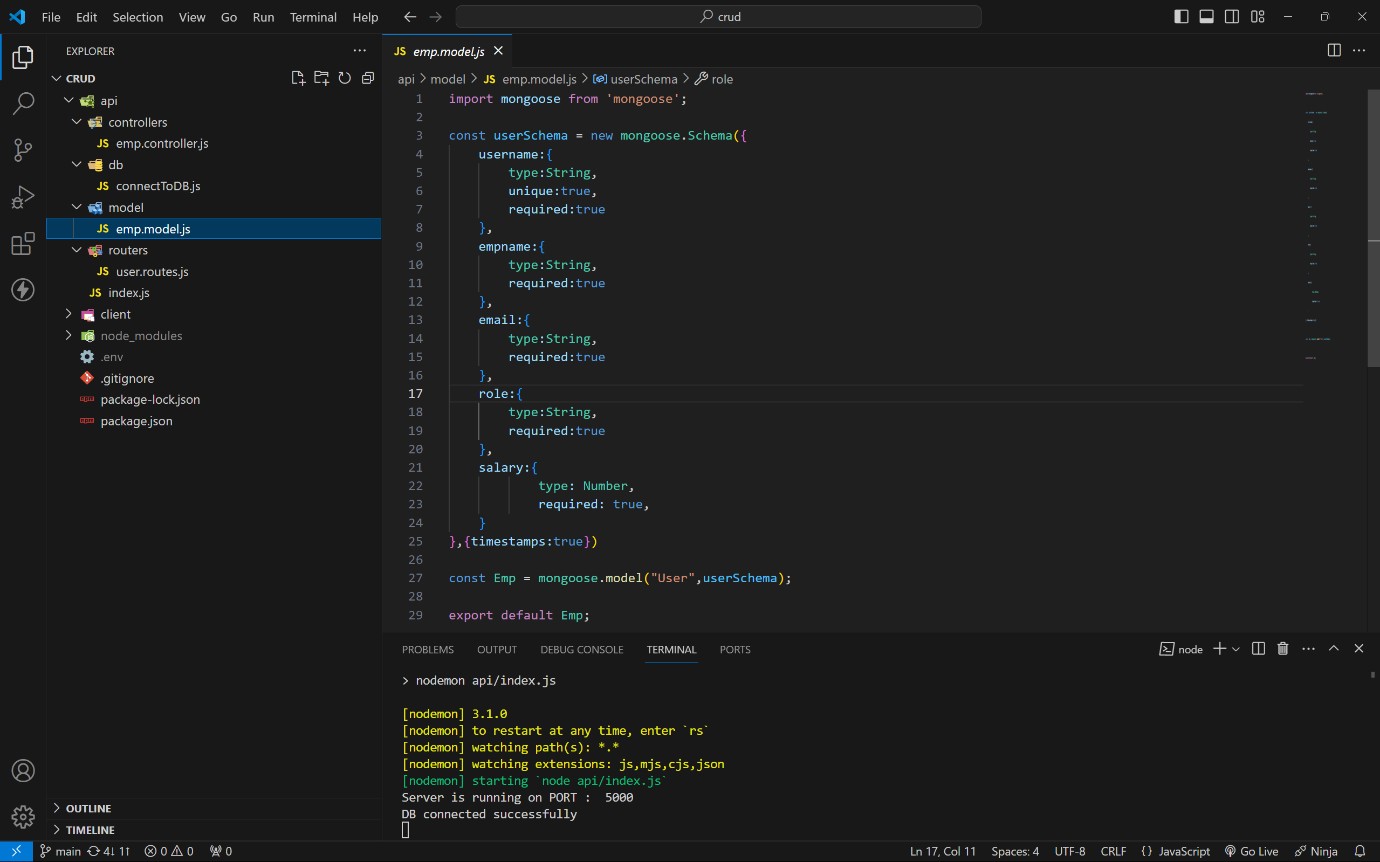
**source code :**

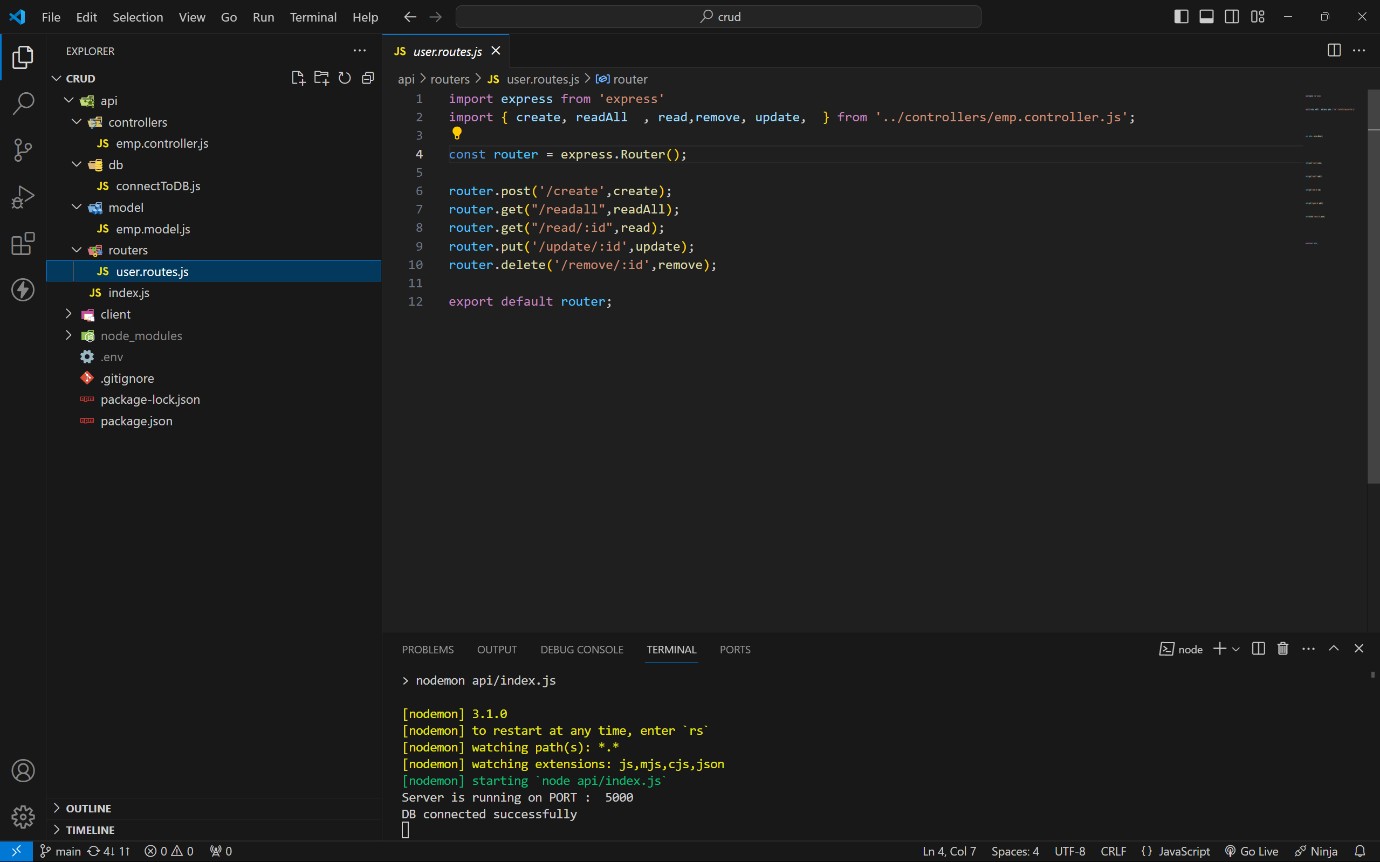
# index.js file :



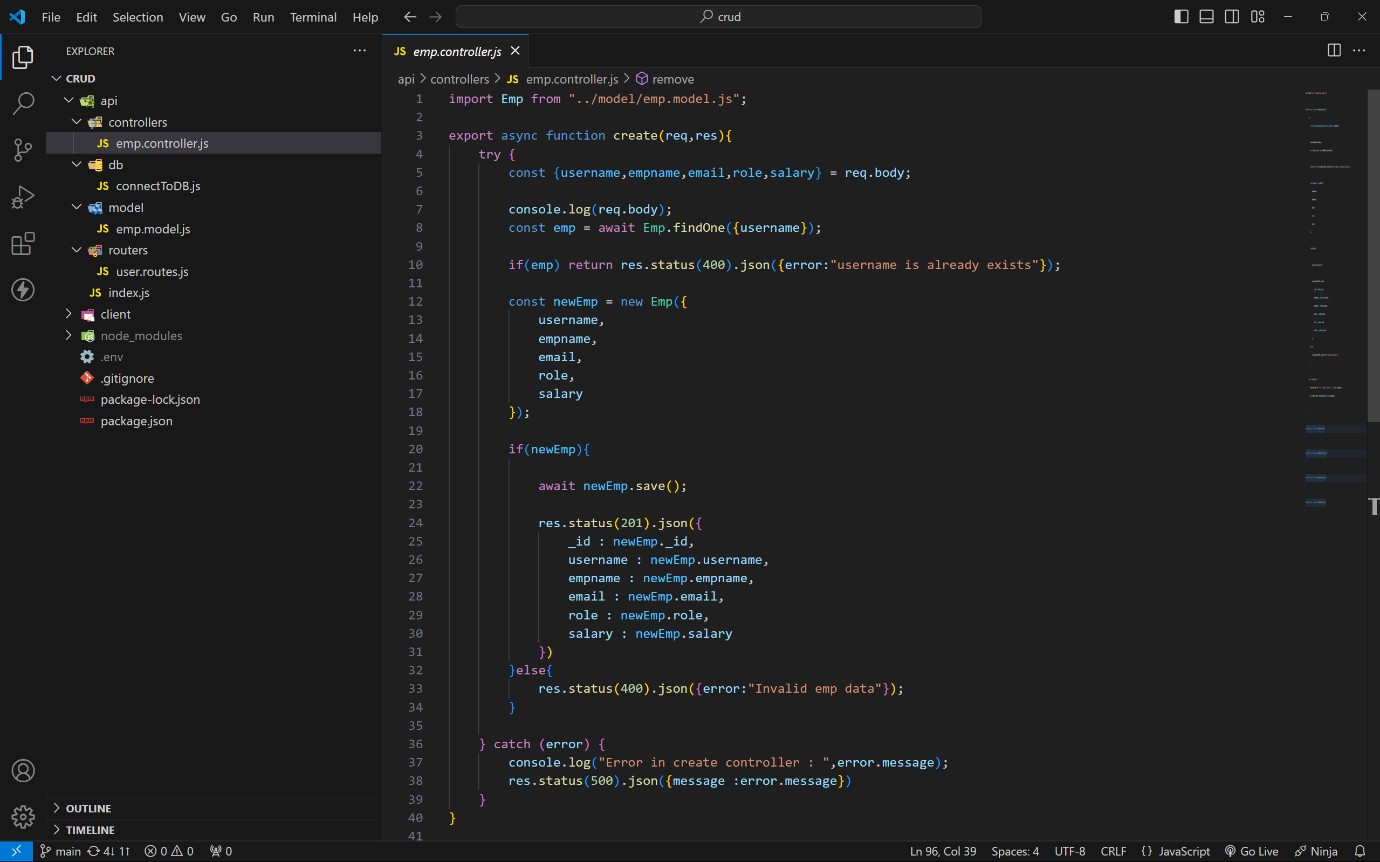


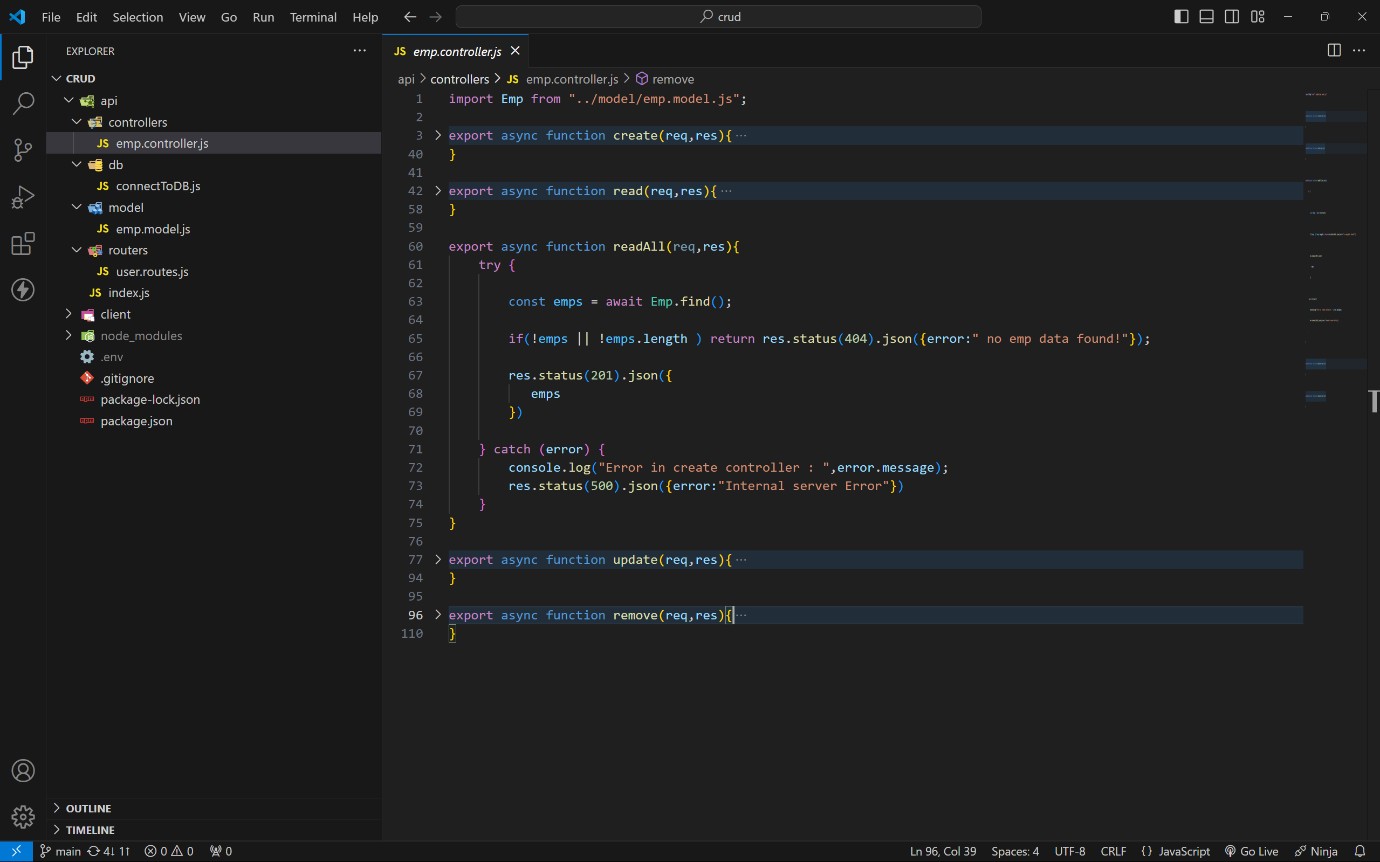
MODEL :



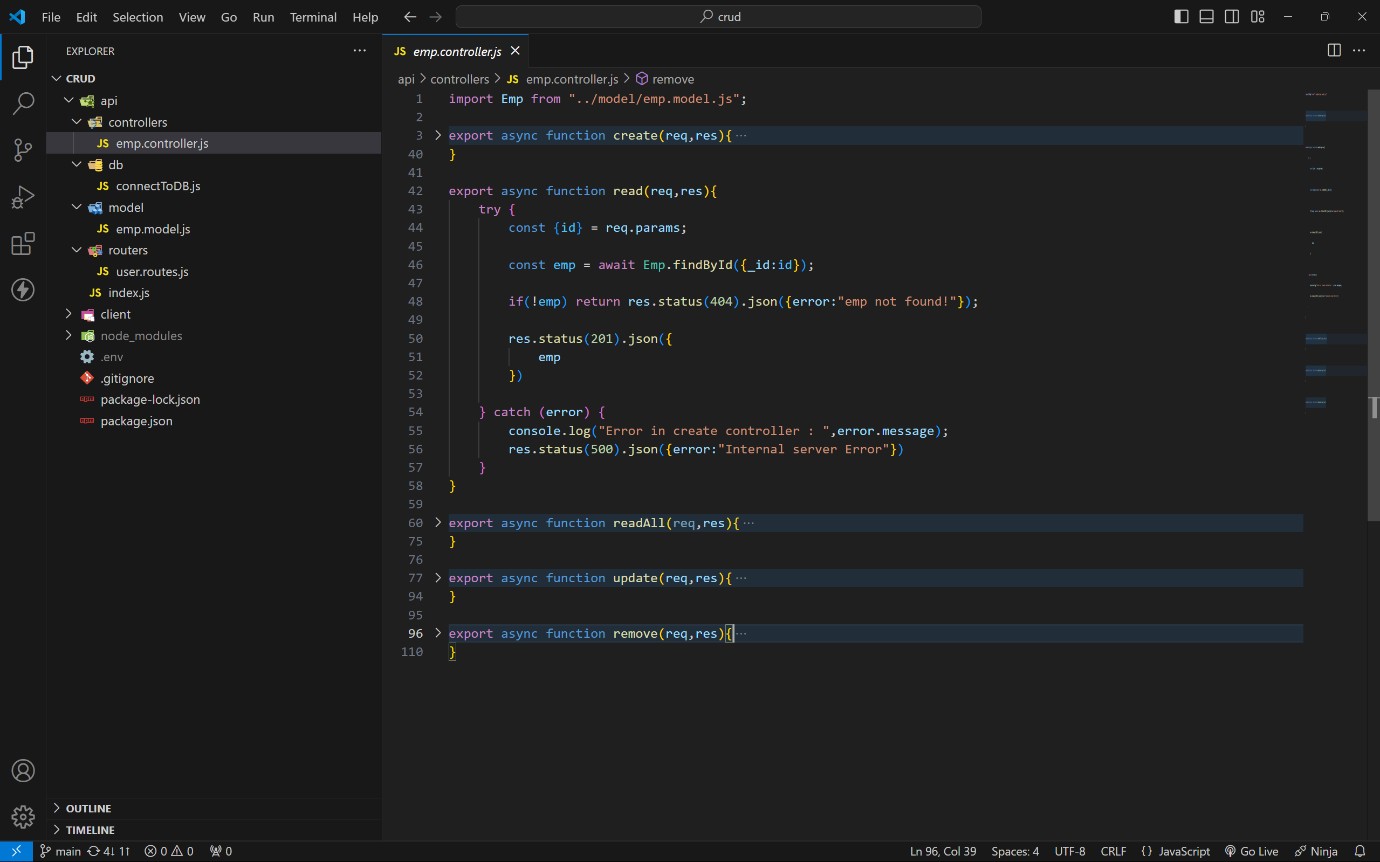


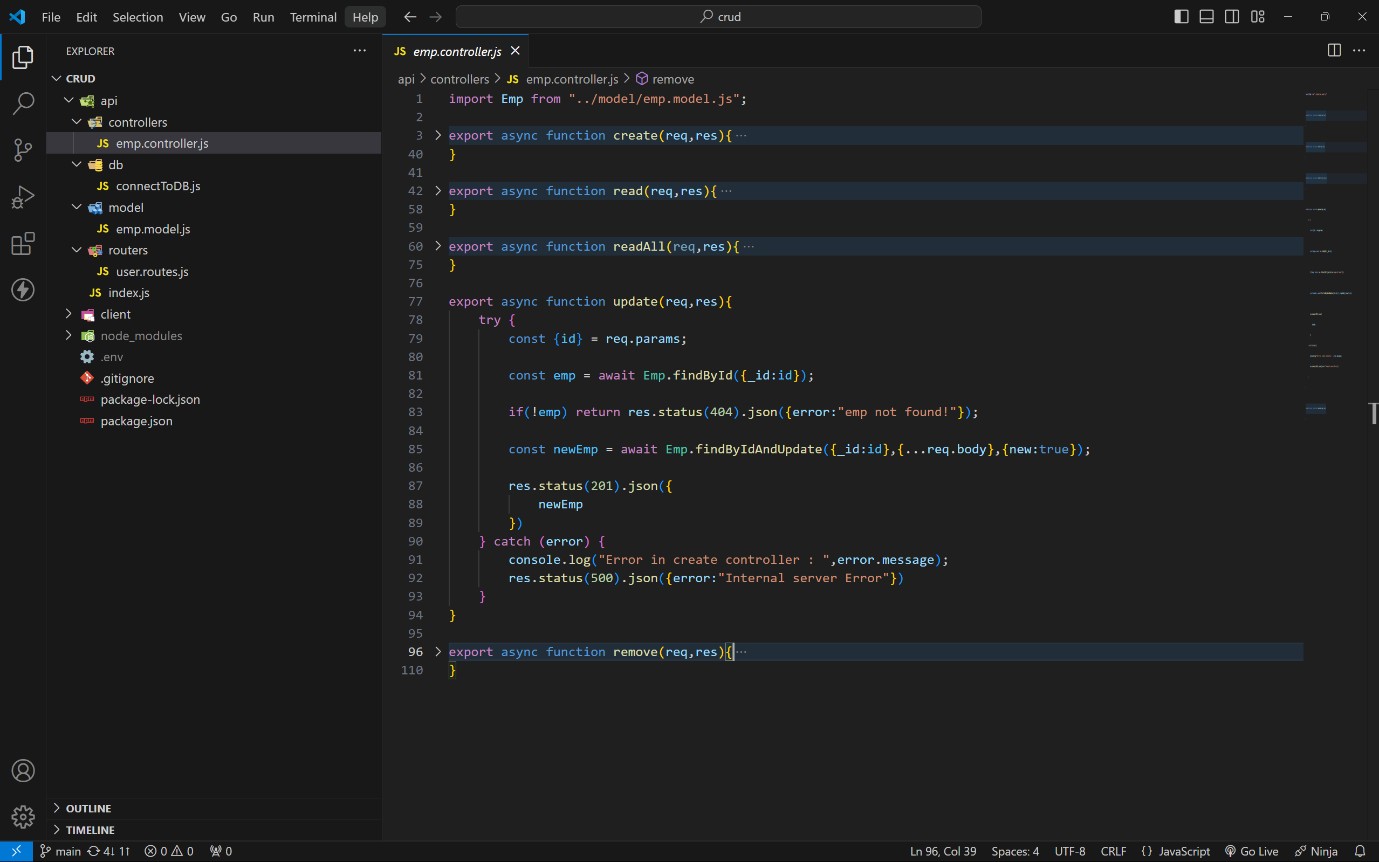
CONTROLLERS : CREATE :



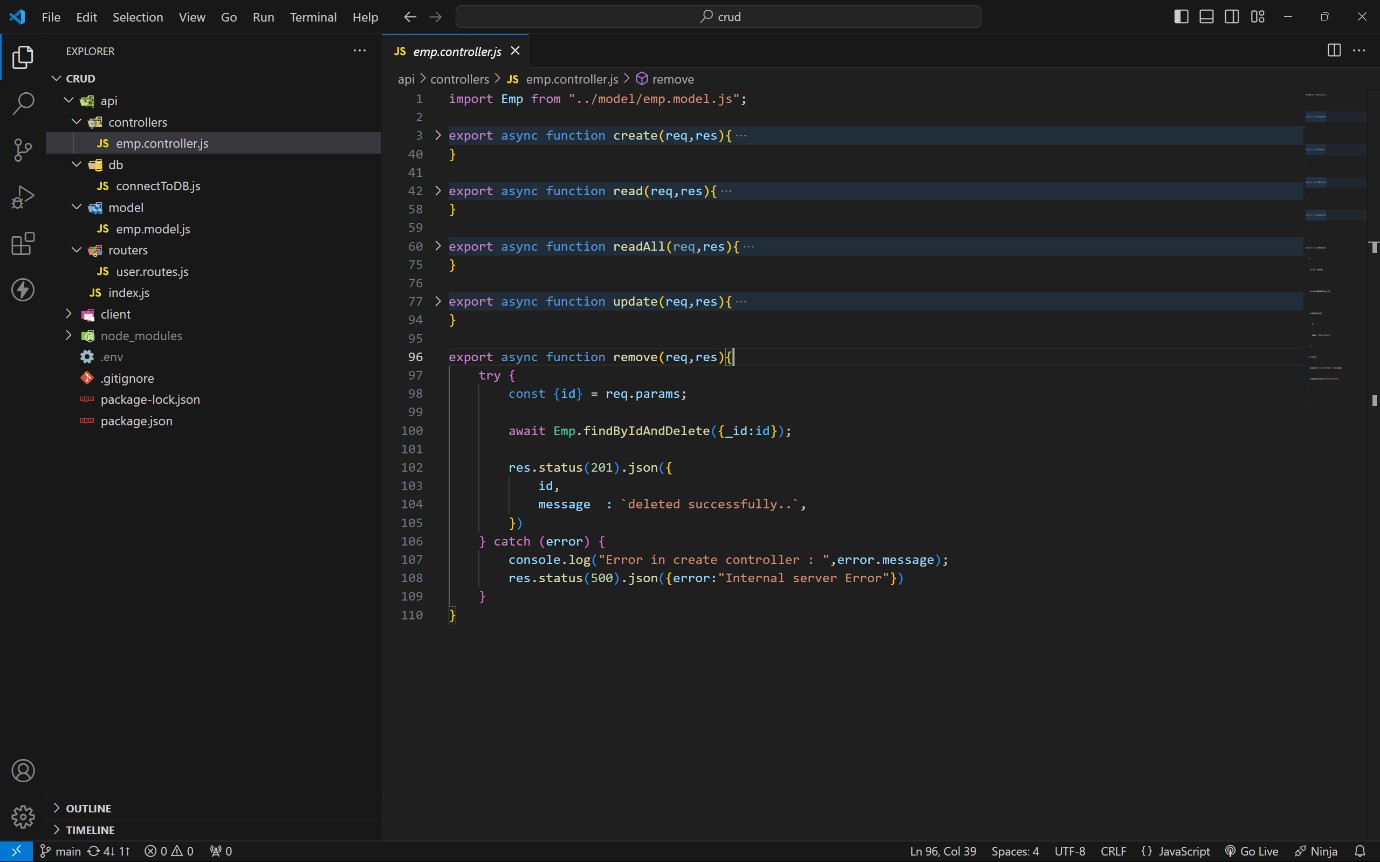


READONE :





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.**

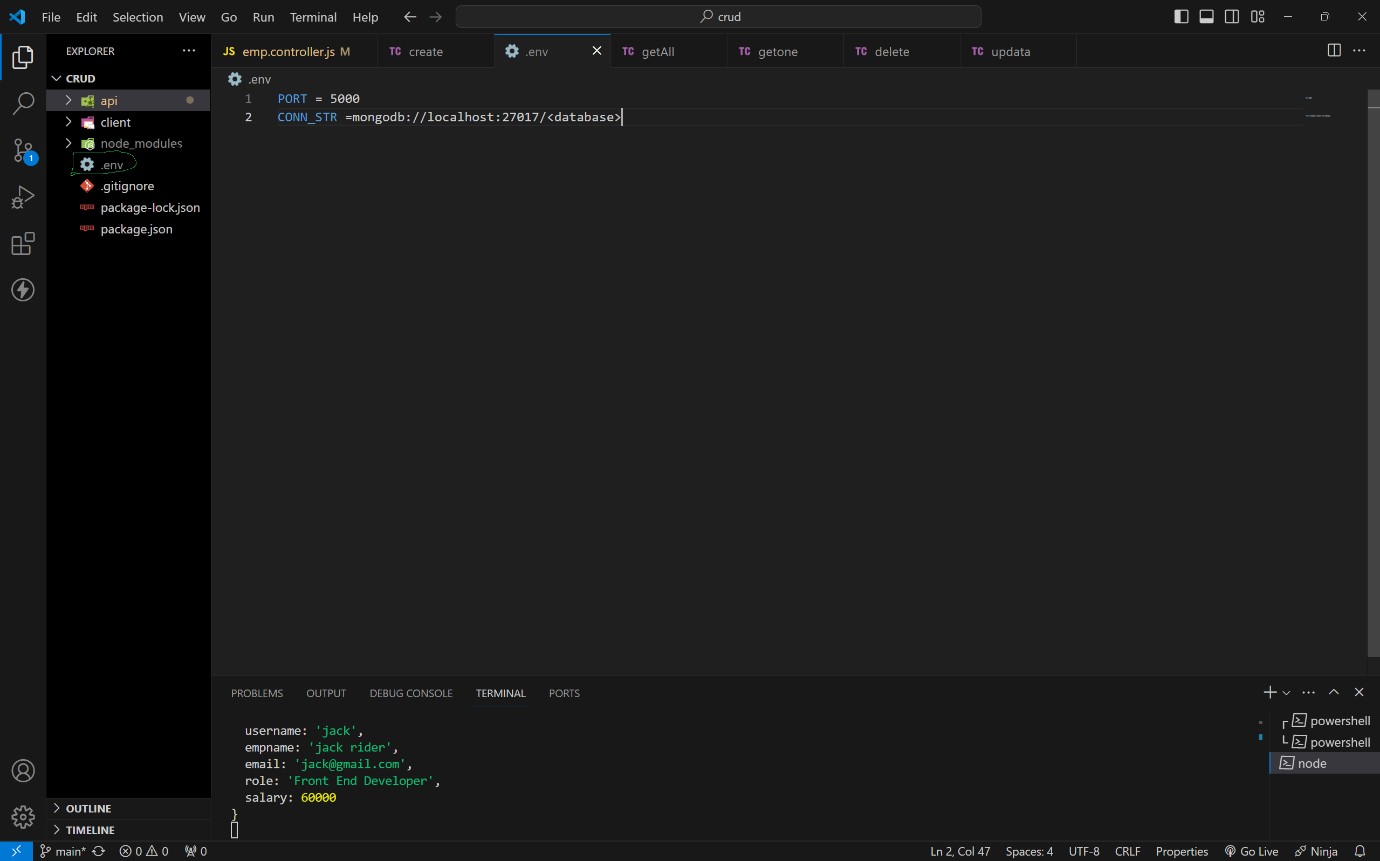
4 . Type this code to get code locally.

git clone <https://github.com/4727yesuraju/crud.git> 5 . Now move to crud folder (cd crud in terminal)

1. **. Ignore client folder.**
2. **. Here crud is root folder.**
3. **. 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

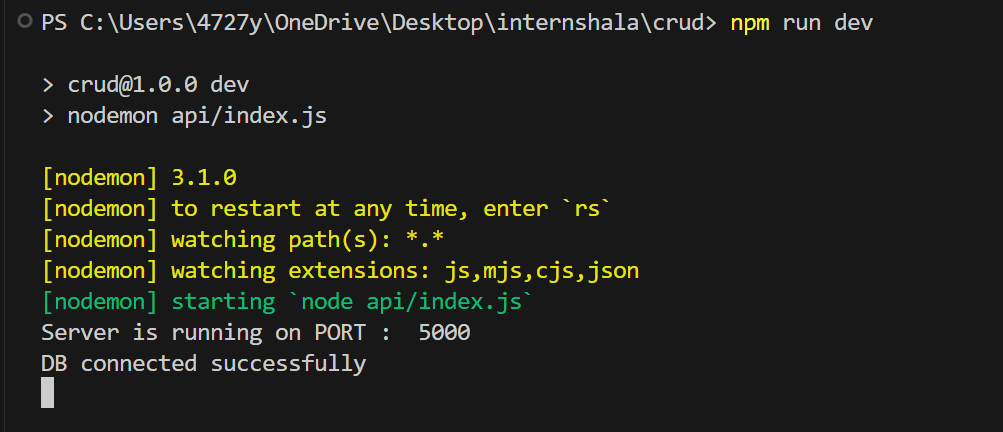
[CONN\_STR=mongodb+srv://4727yesuraju:rough@cluster0.wbclvtg.mongodb.net](mailto:rough@cluster0.wbclvtg.mongodb.net)

/?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

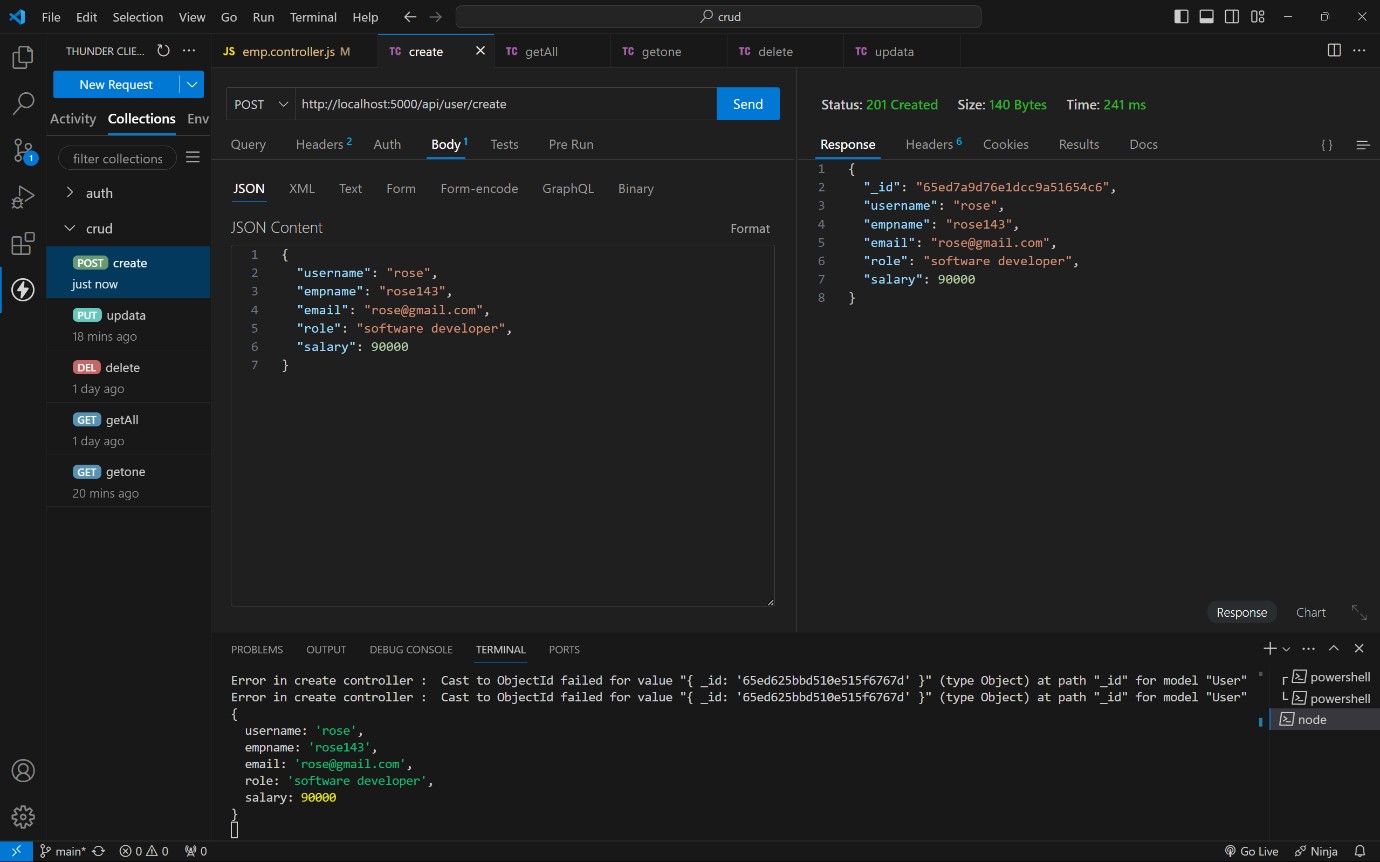
url as

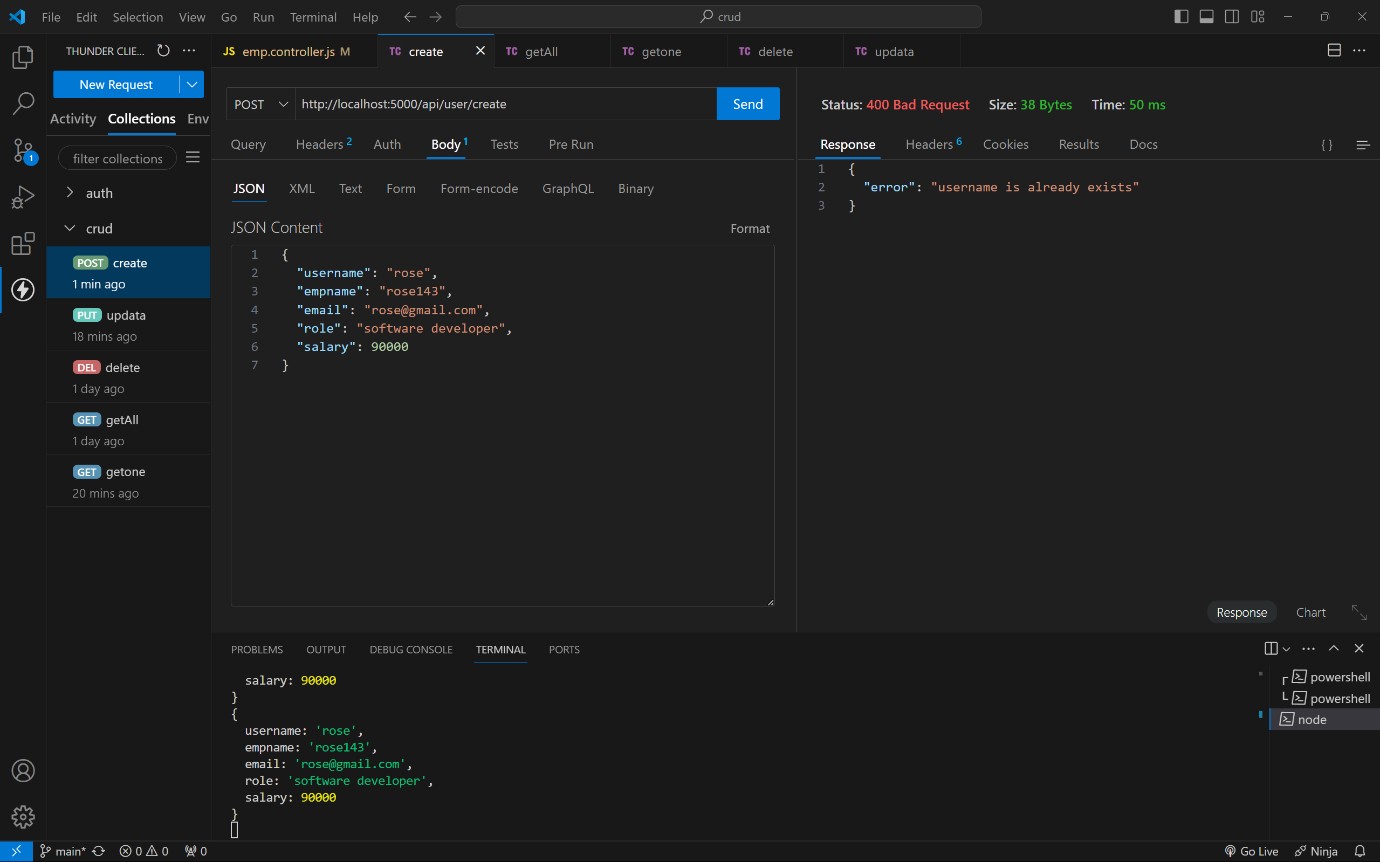
http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

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

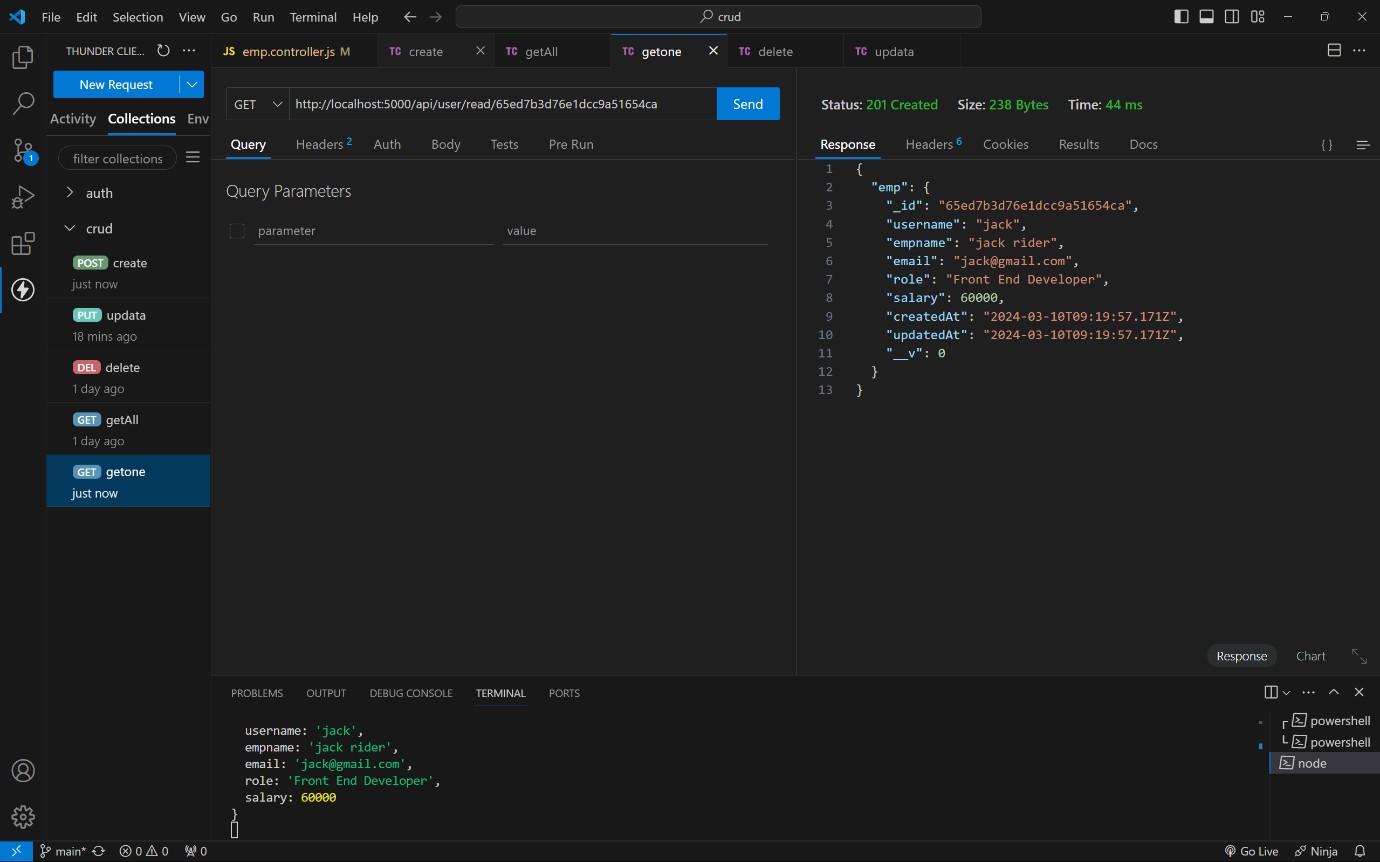
OUTPUT :

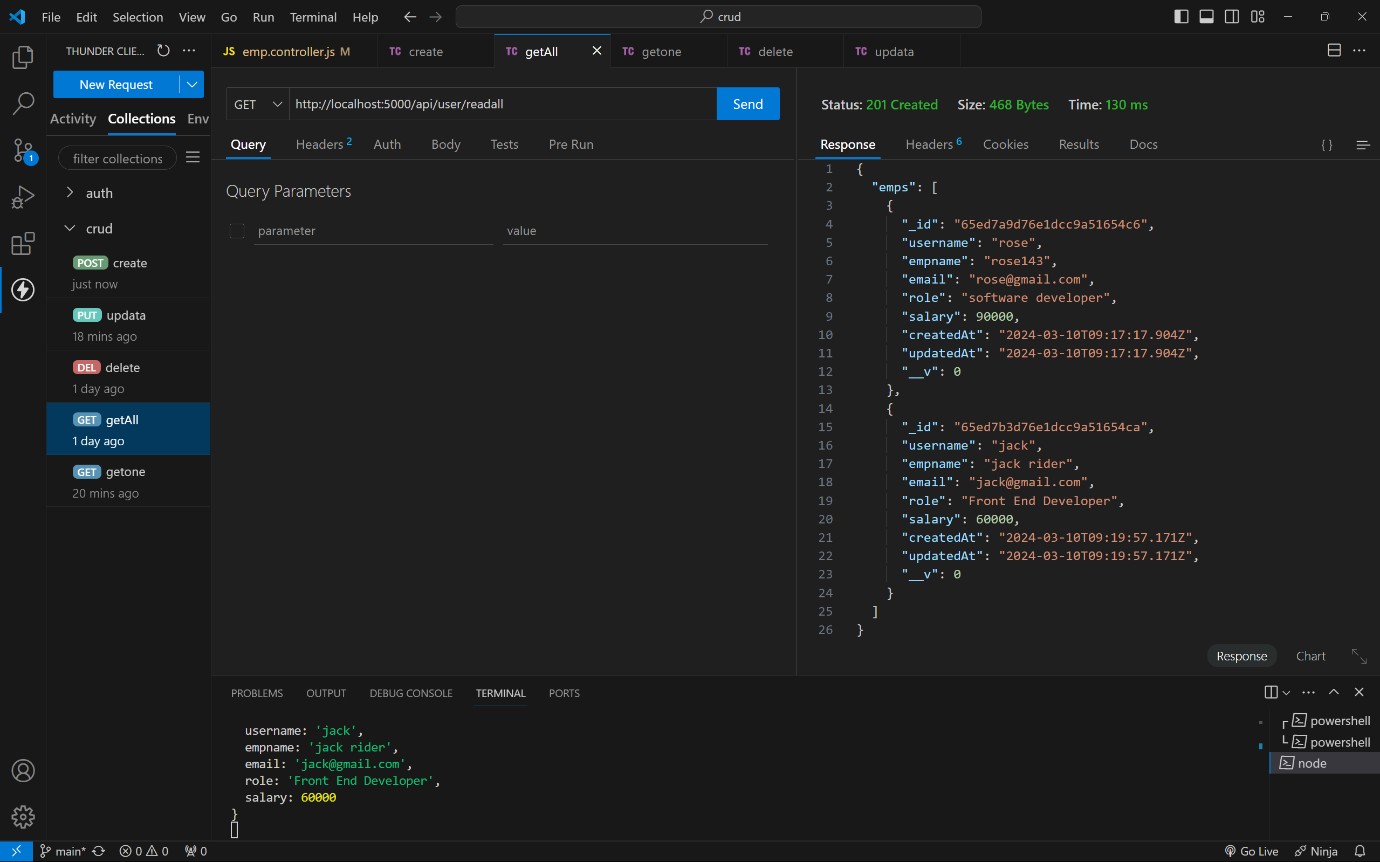
CREATE A NEW USER :





**READONE :**





**UPDATE :**

