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

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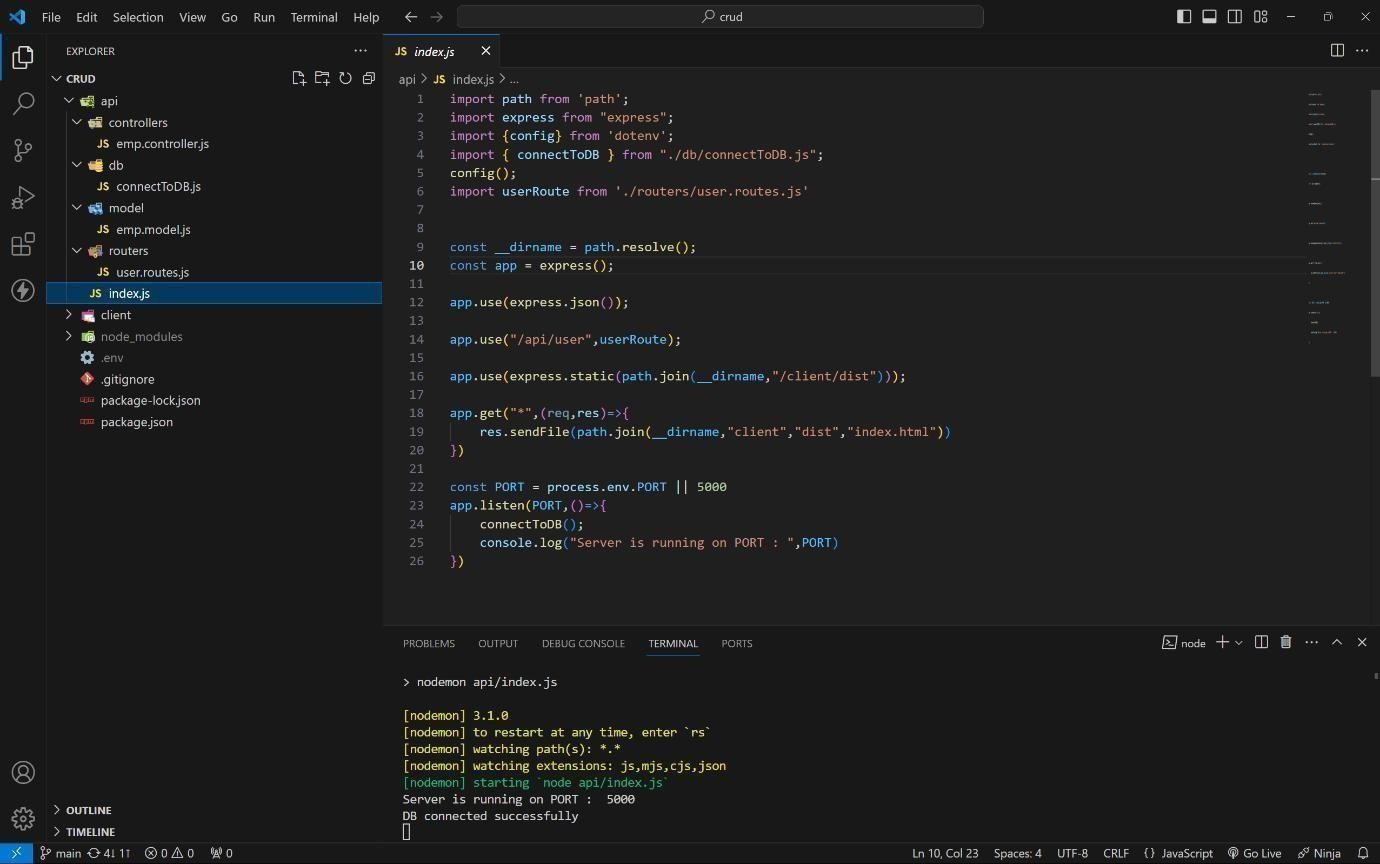
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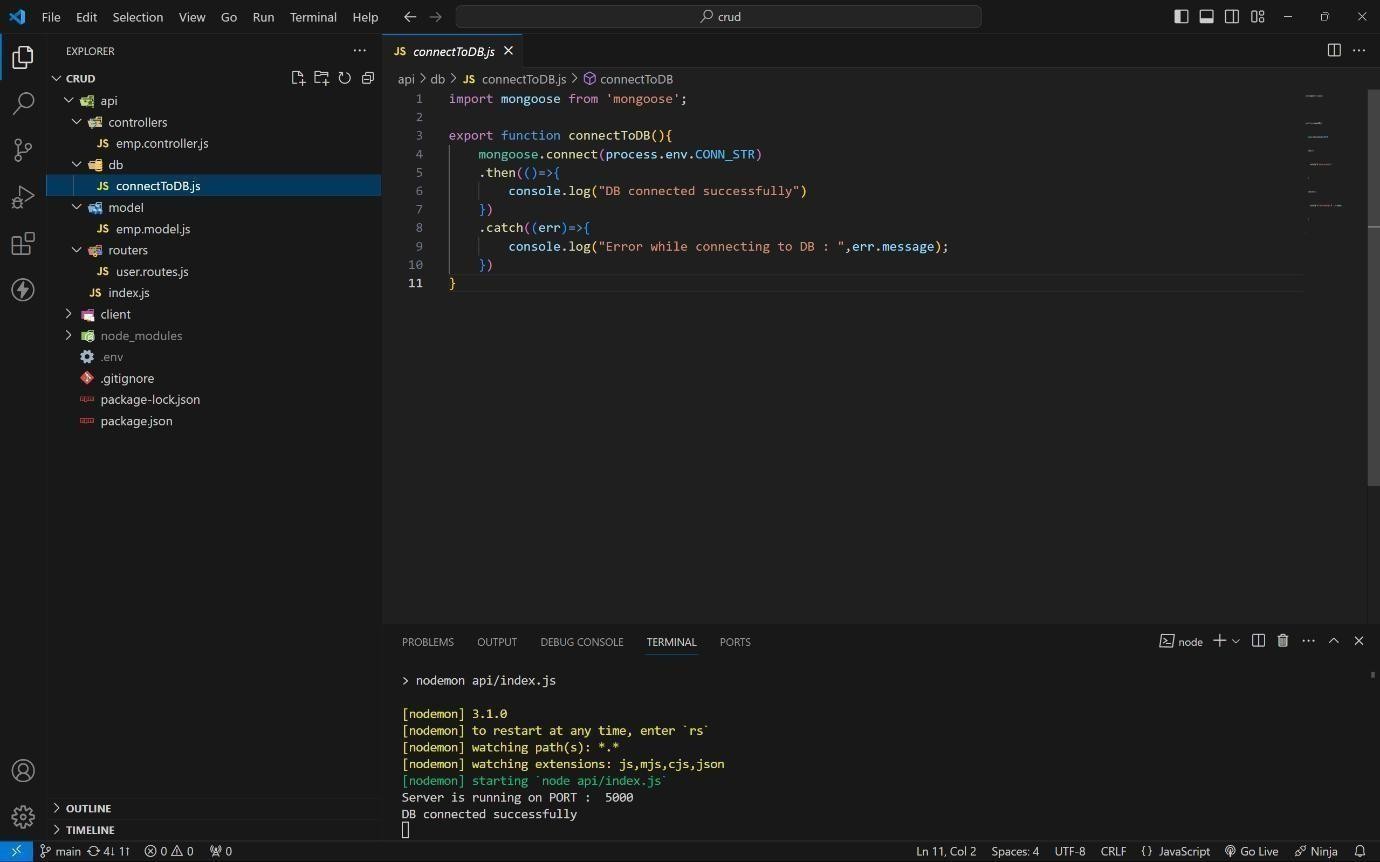
Roll Number : 20HU1A0562

College : Chebrolu Engineering College.

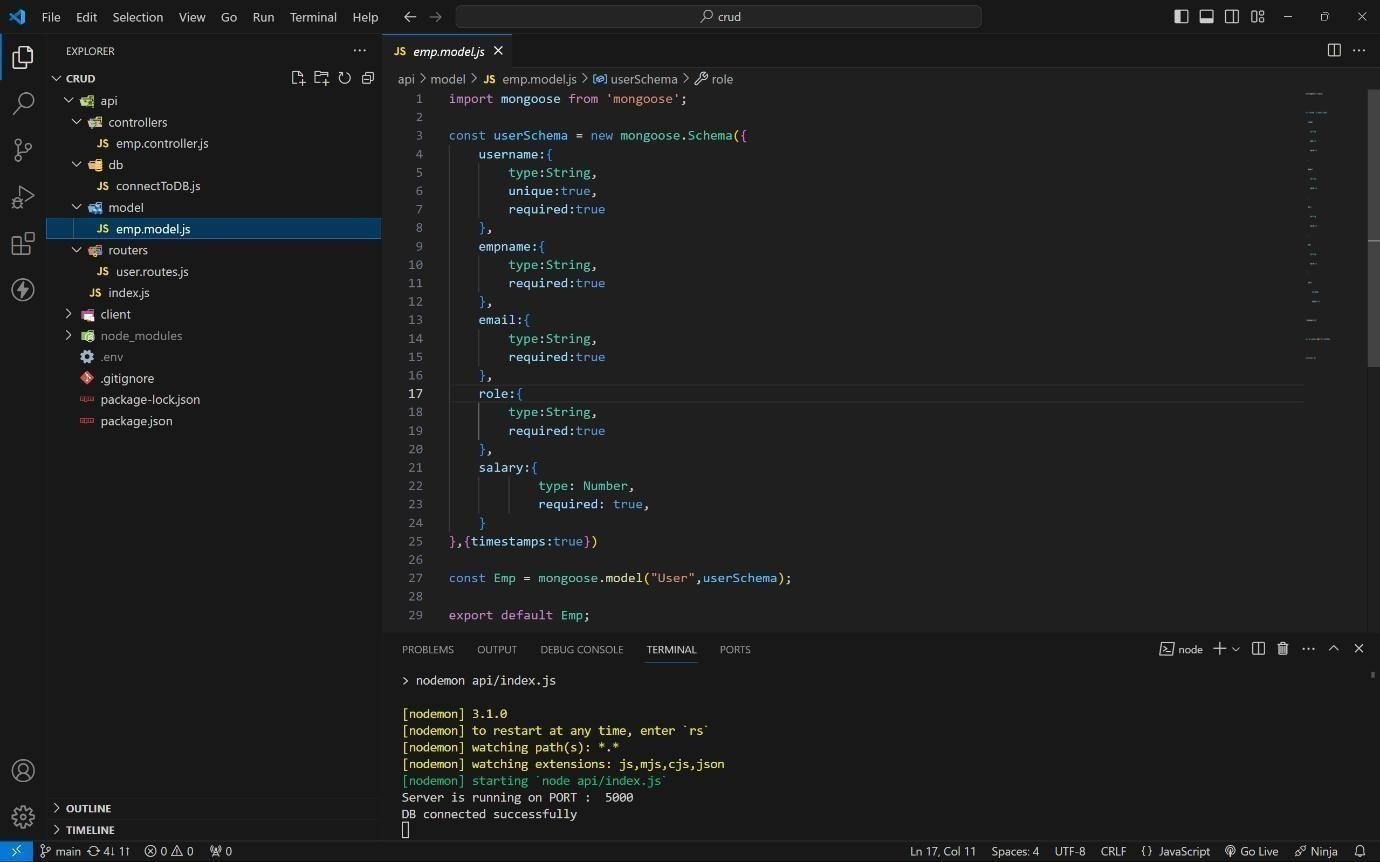
# source code : index.js file :



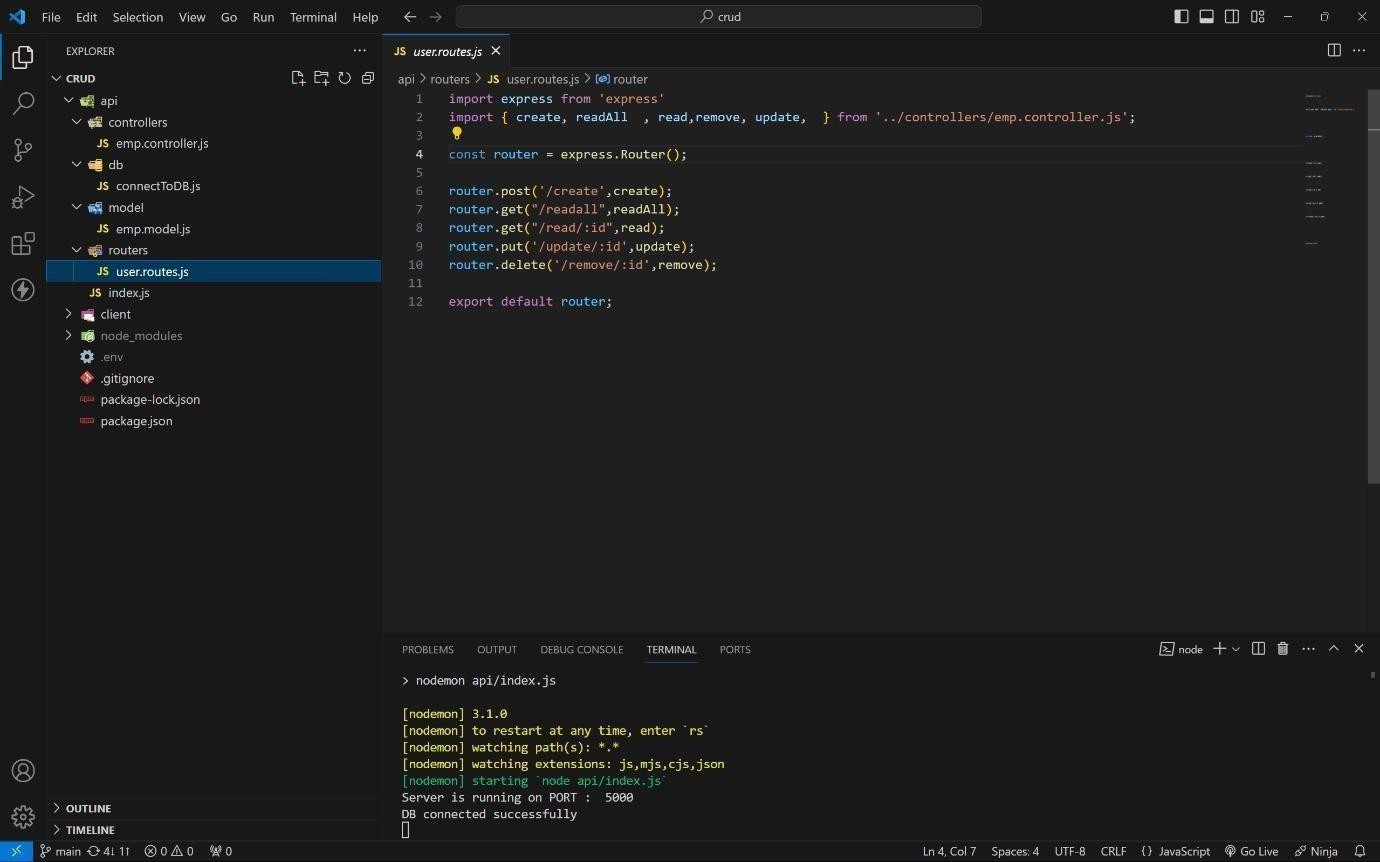
**MONGODB CONNECTION :**



**MODEL :**

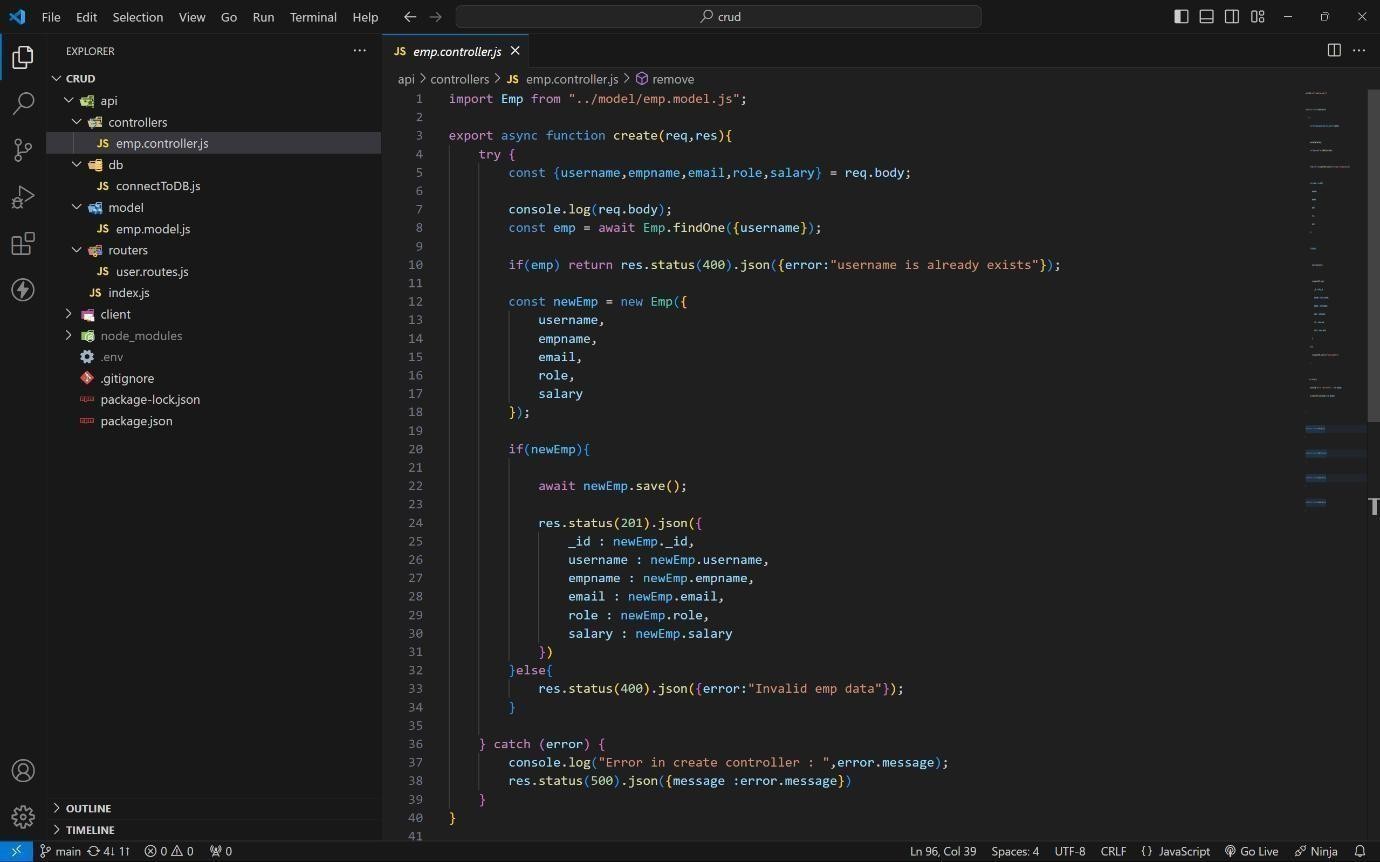


# ROUTES:

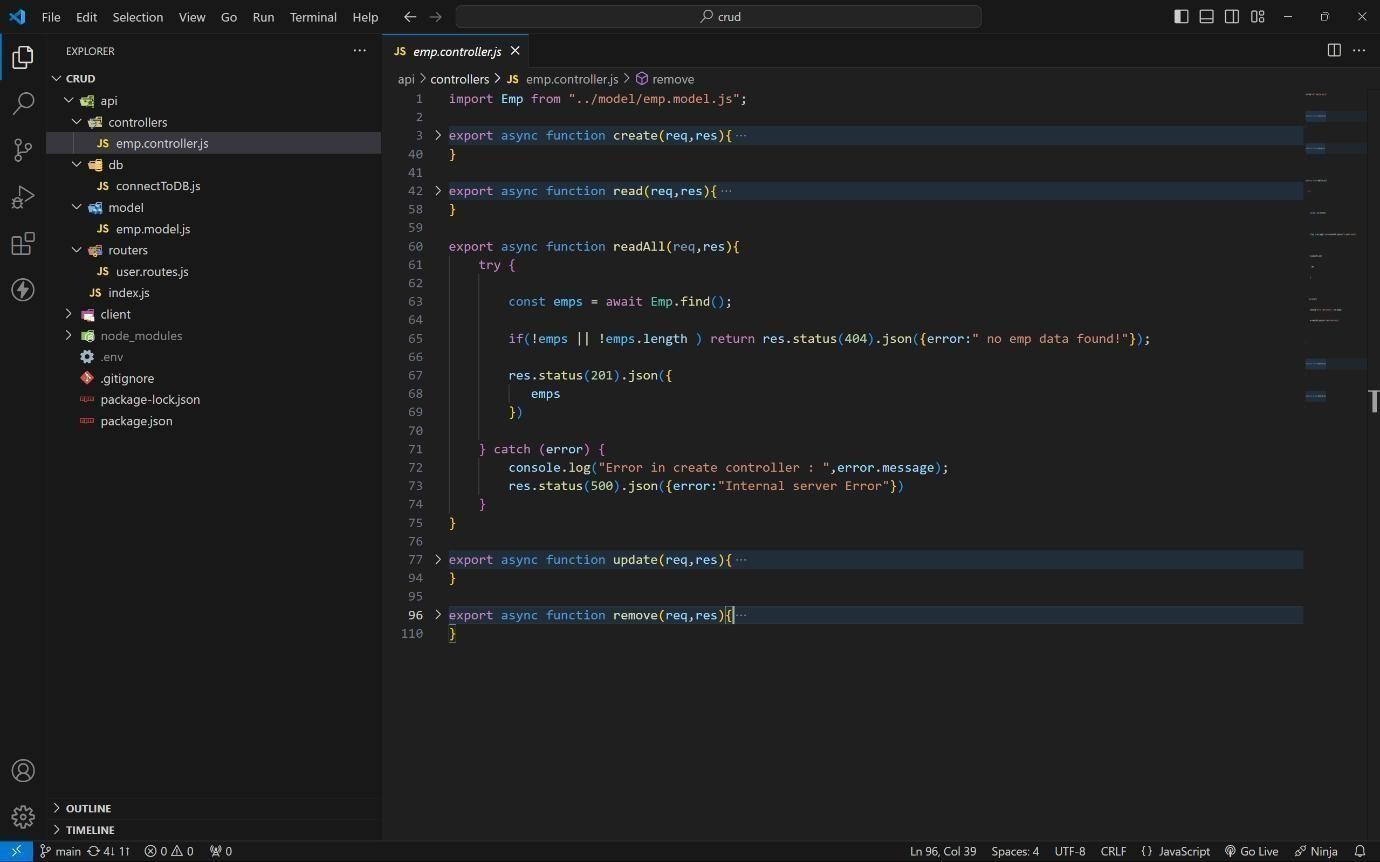


**CONTROLLE RS :CREATE**

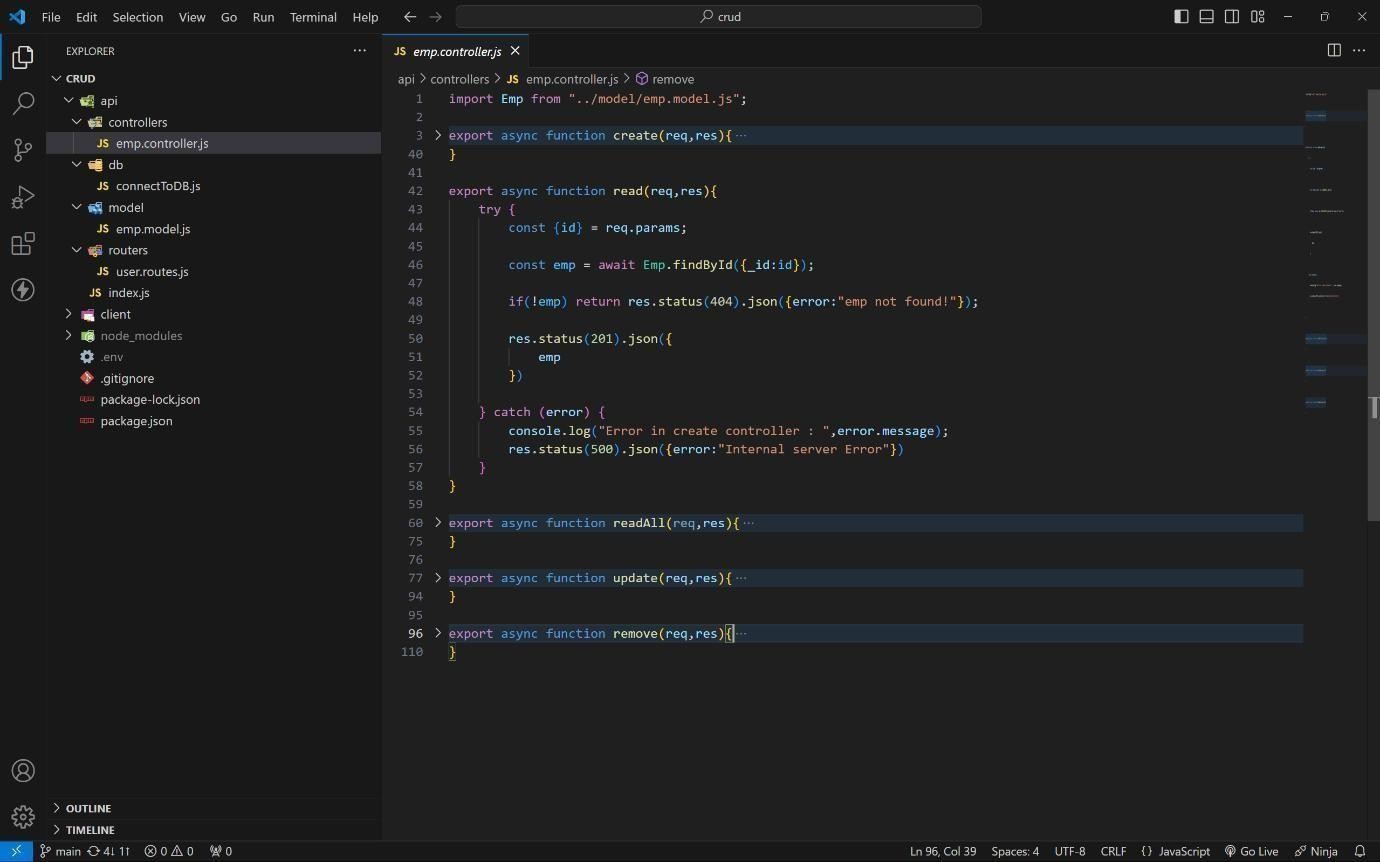
**:**



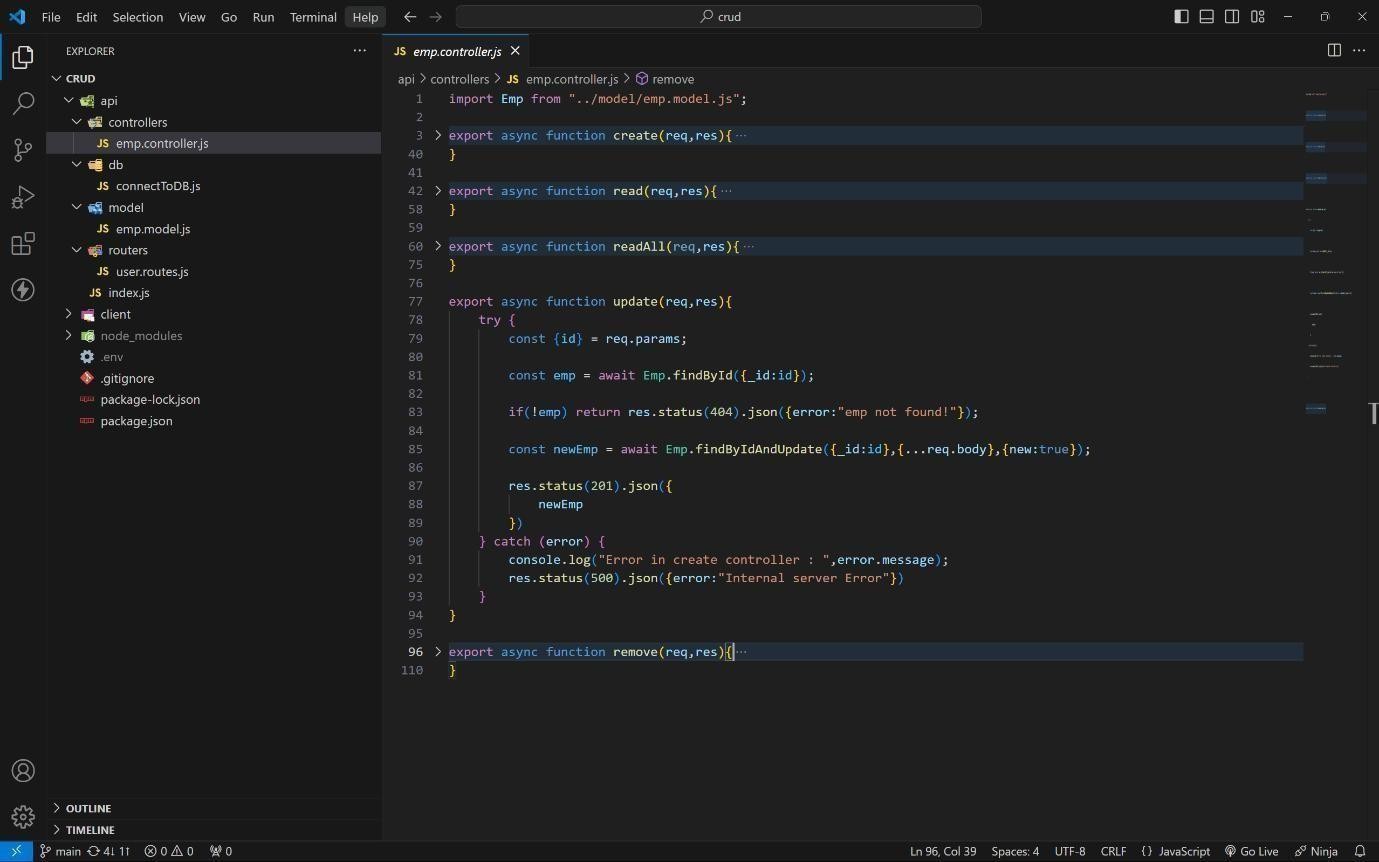
**READALL:**



**READONE :**



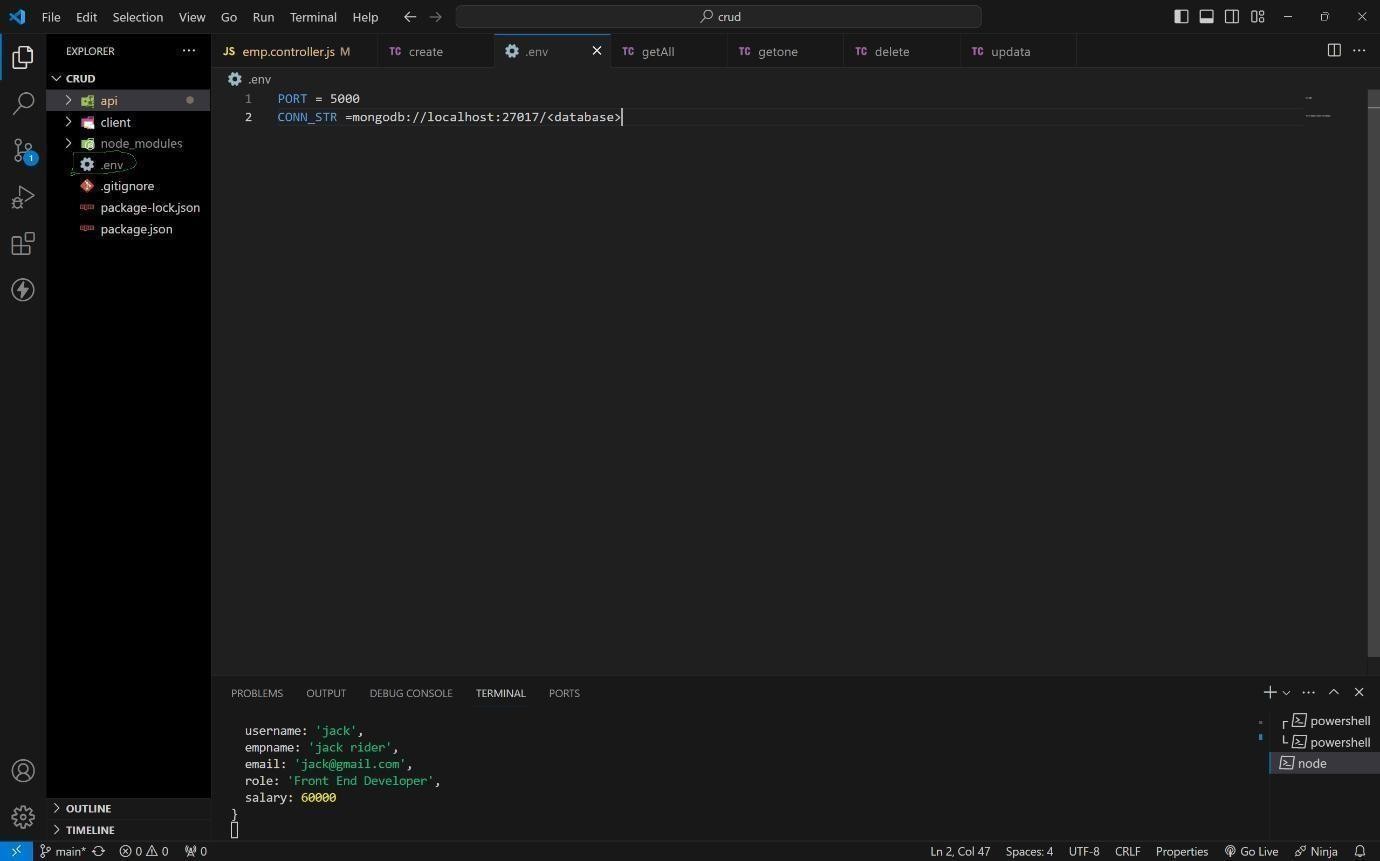
**UPDATE :**



## HOW TO RUN ON LOCALLY :

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)
6. Ignore client folder.
7. Here crud is root folder.
8. 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



--- trouble in above process ? :

simply paste this code in .env file .

PORT = 5000

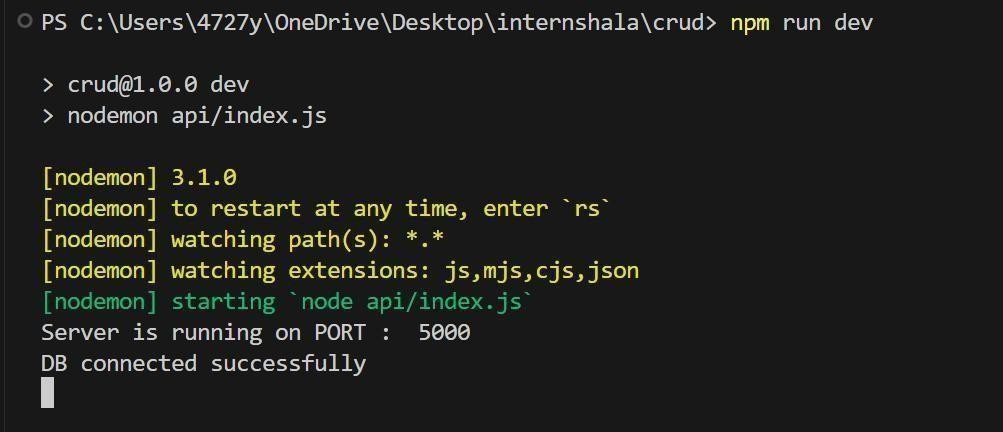
[CONN\_STR=mongodb+srv://4727yesuraju:rough@cluster0.wbclvtg.mongodb.net](mailto:rough@cluster0.wbclvtg.mongodb.net)

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

1. **After in terminal (in crud folder as root folder) type this command to 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**
2. **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.**
2. **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
   2. **After sending you will get updated user details as response.**

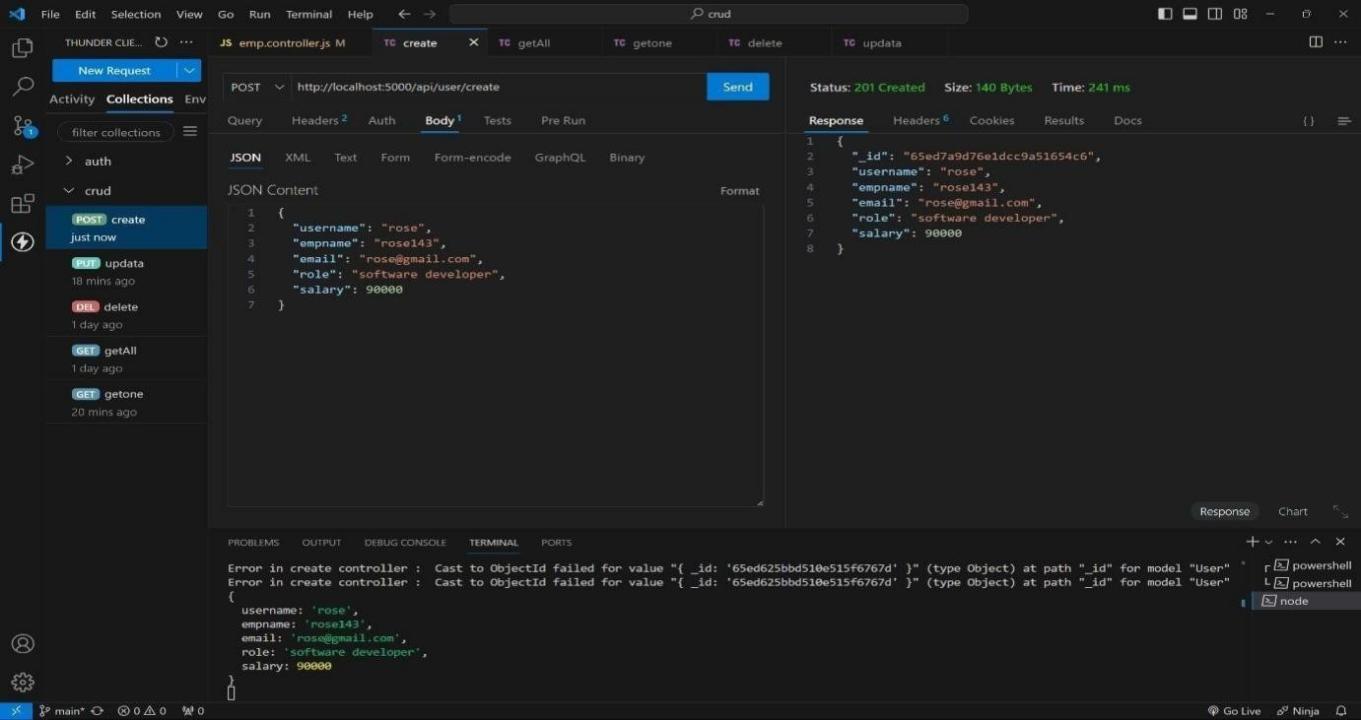
**DELETE :**

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

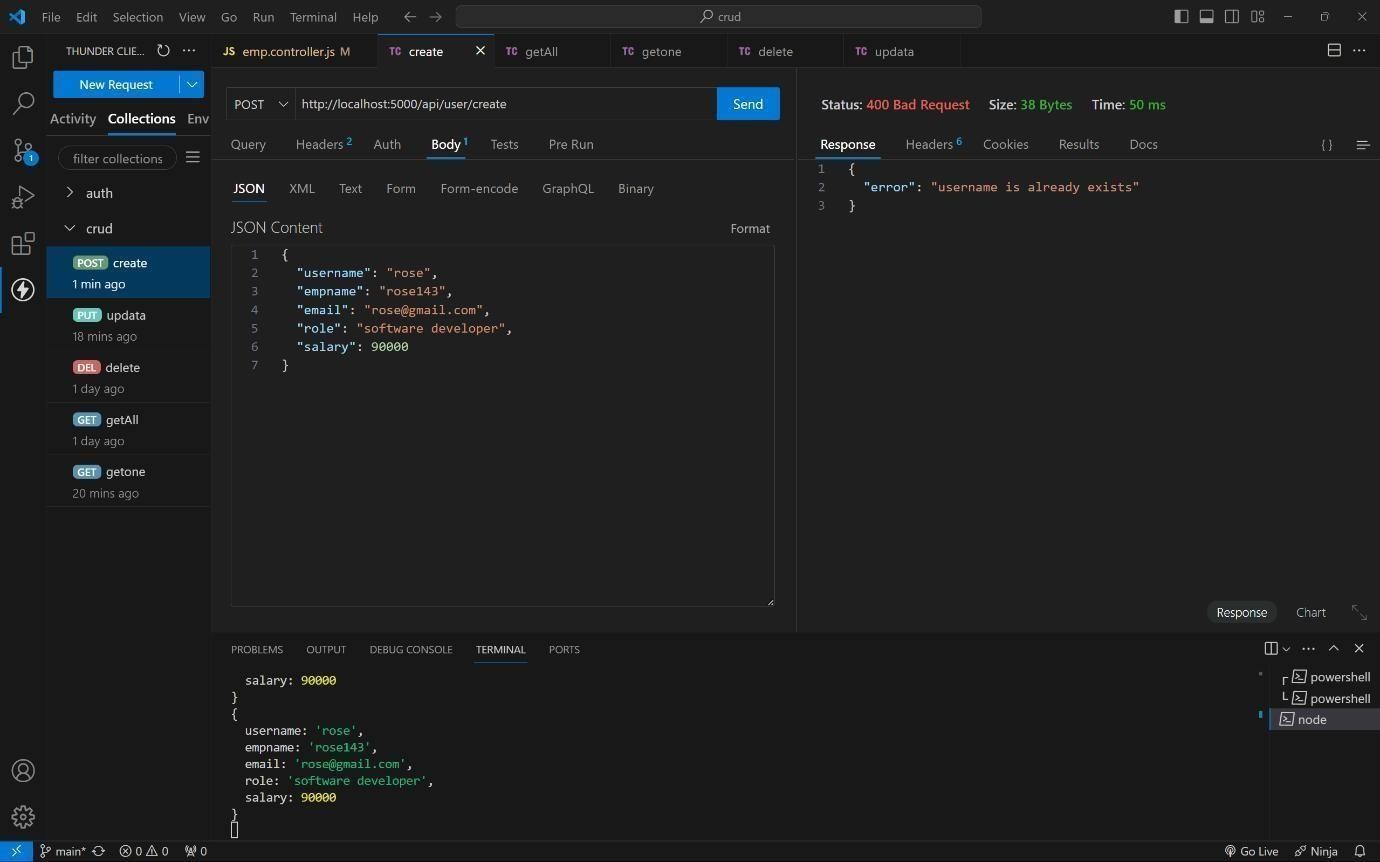
http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

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

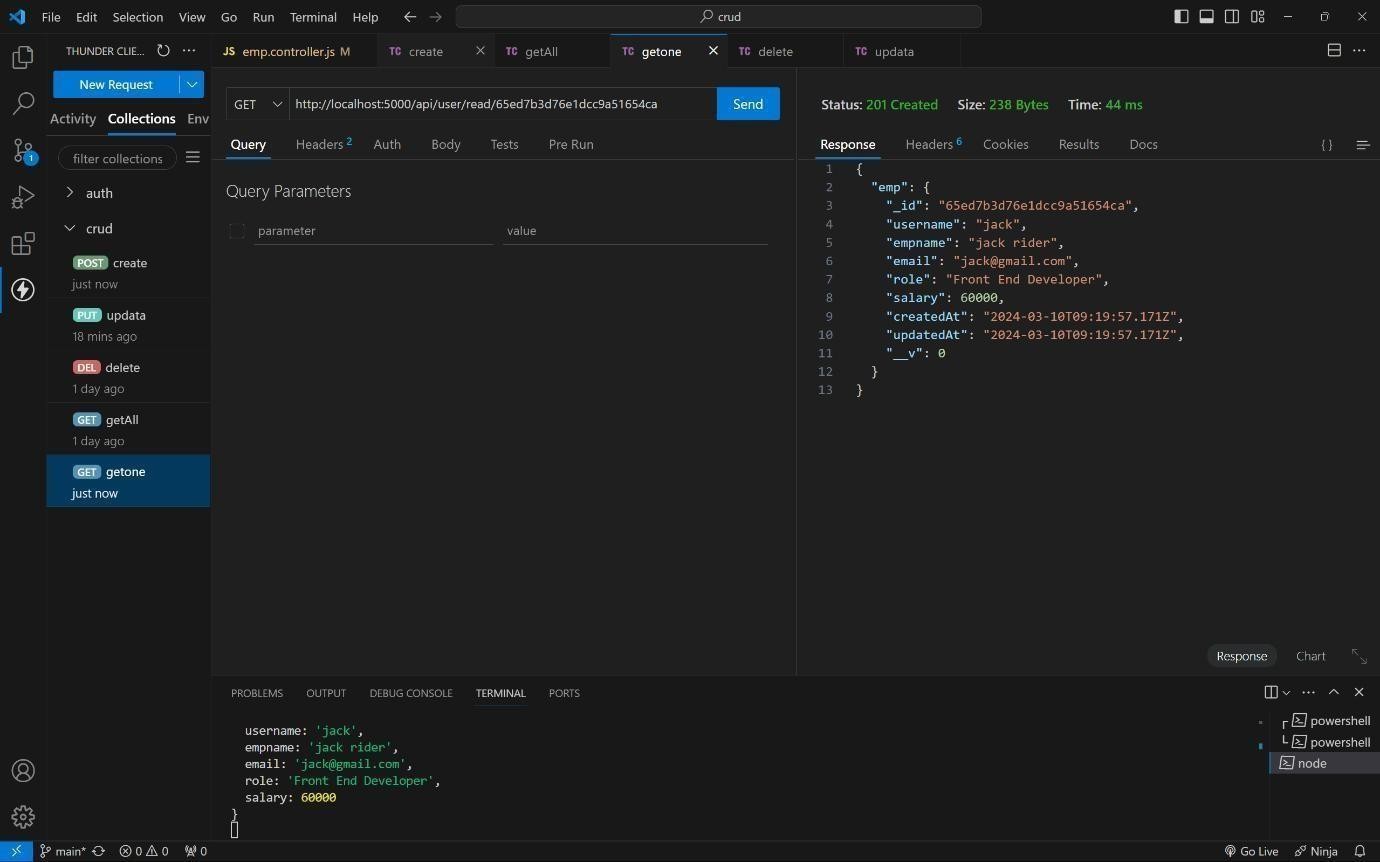
**CREATE A NEW USER :**



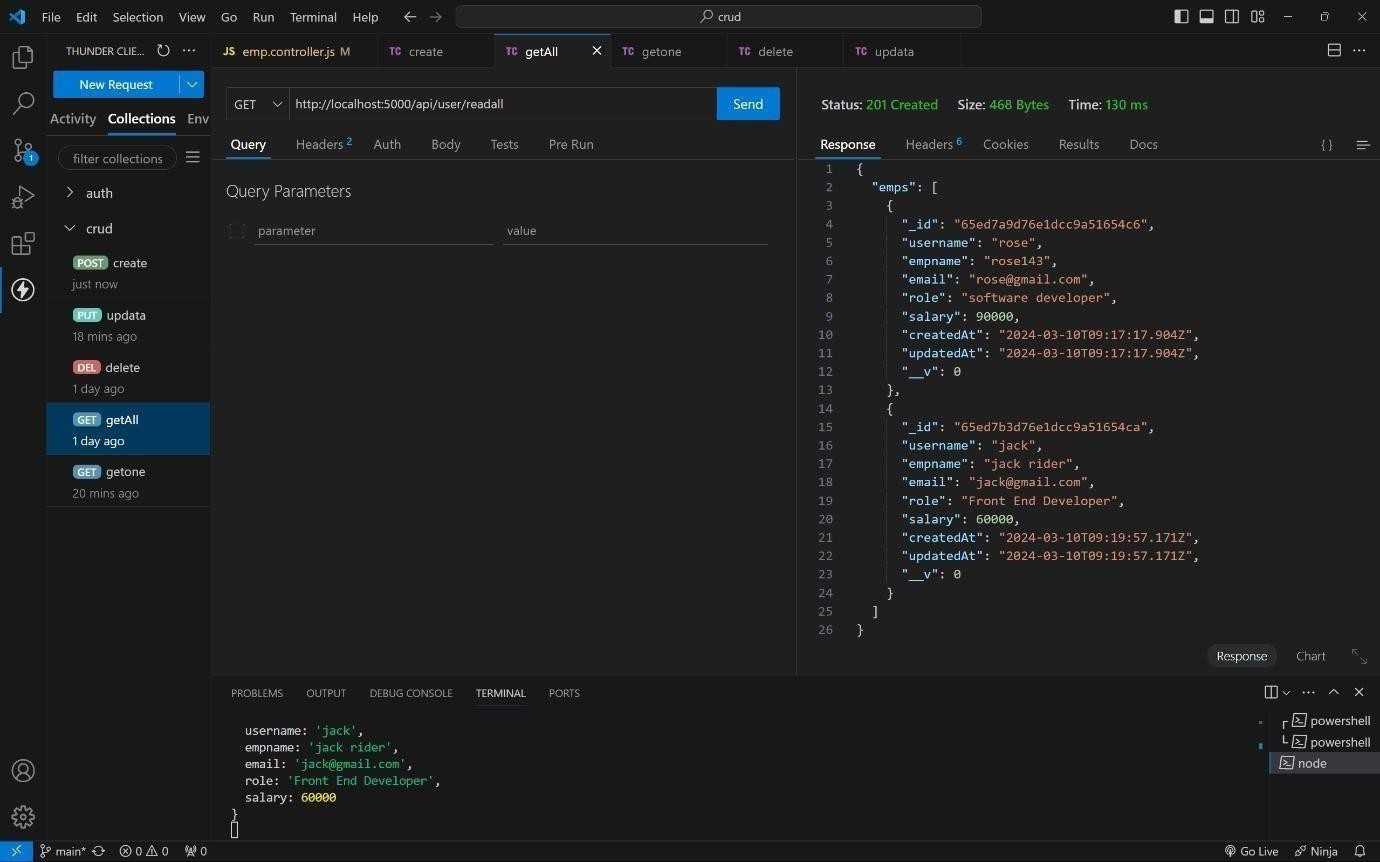
**CREATING USER WITH EXISTING USERNAEM :**



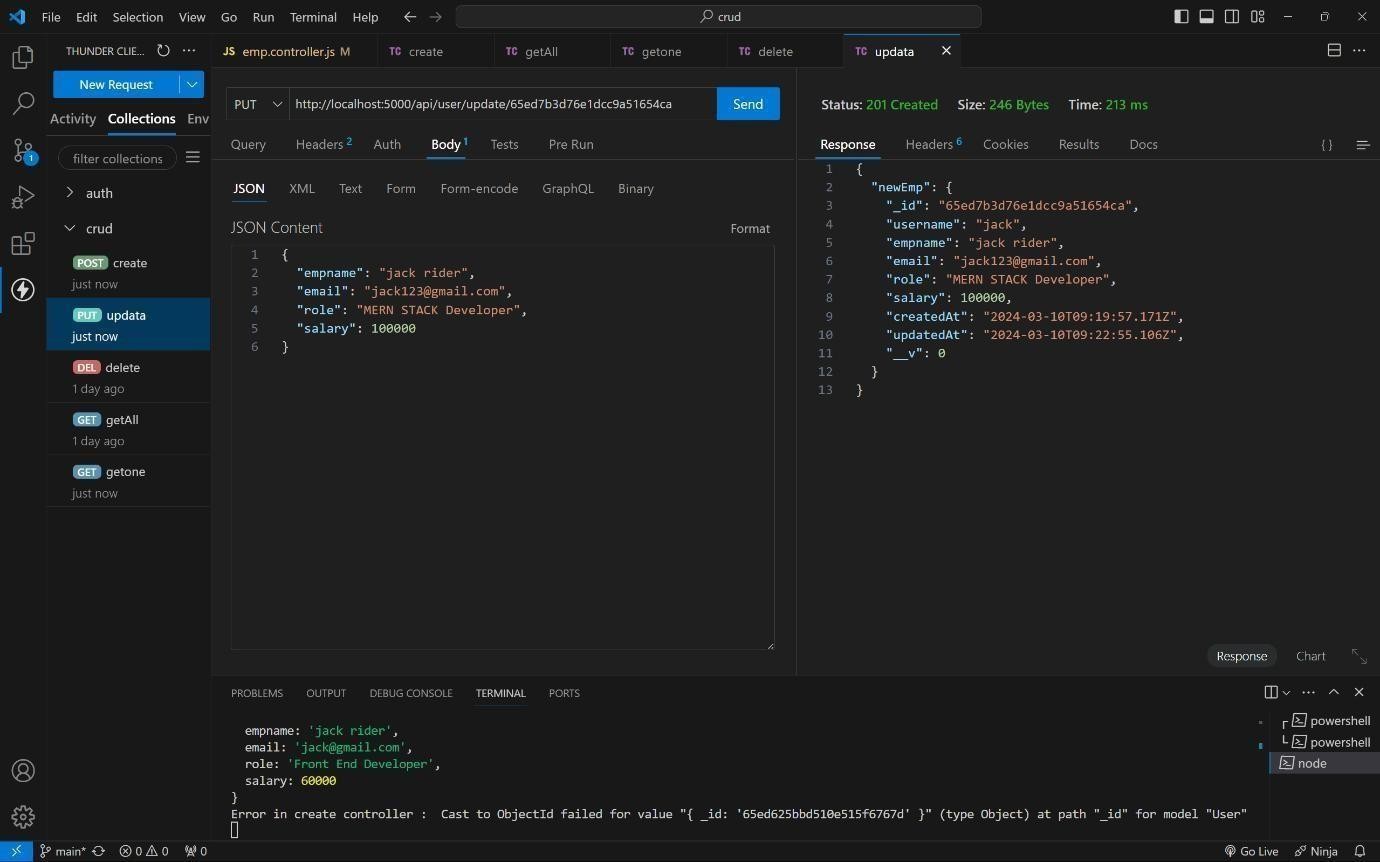
## READONE :



**READ ALL :**



**UPDATE :**



**DELETE :**

