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

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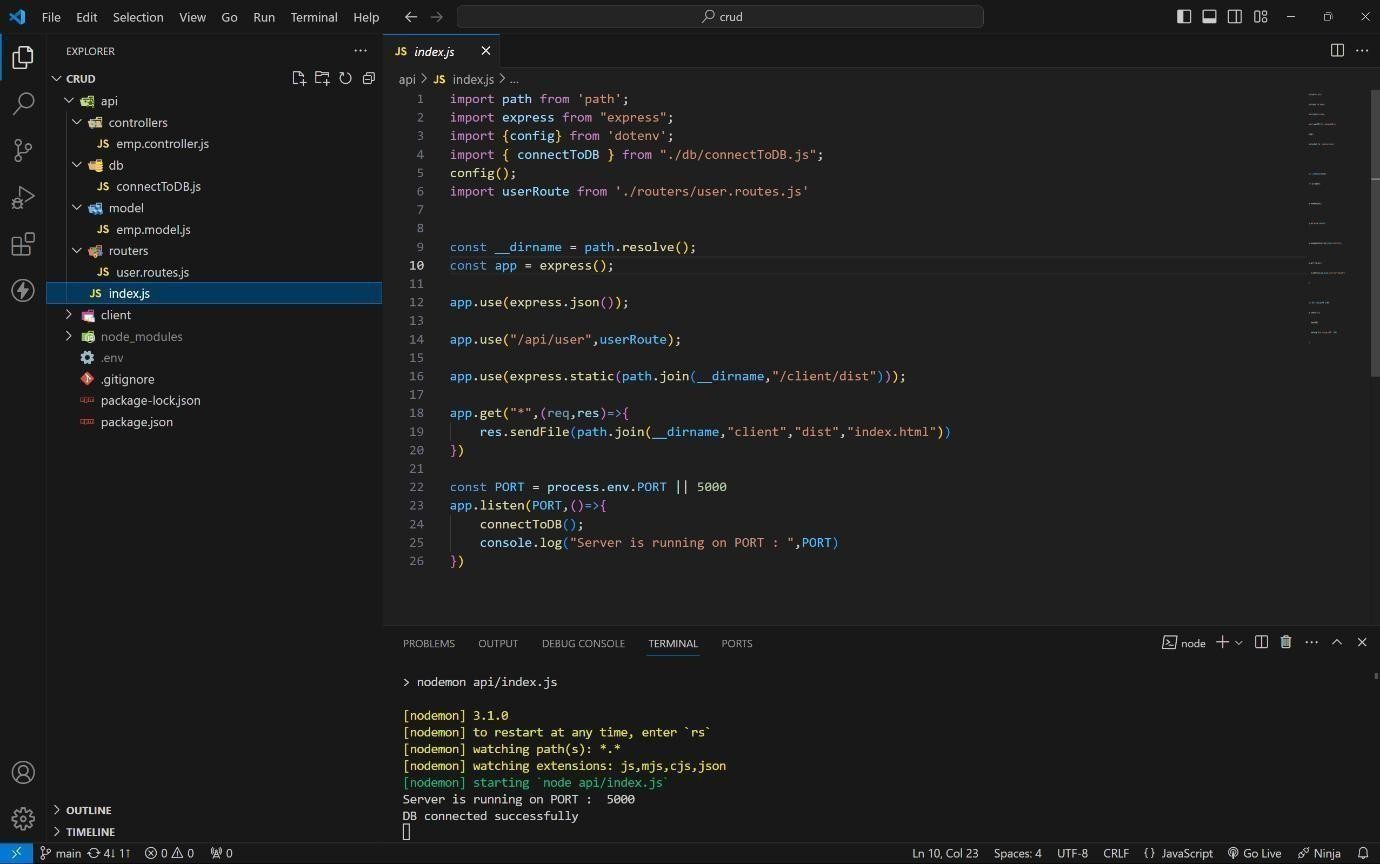
**Email Id :reddeppavemula7@gmail.com**

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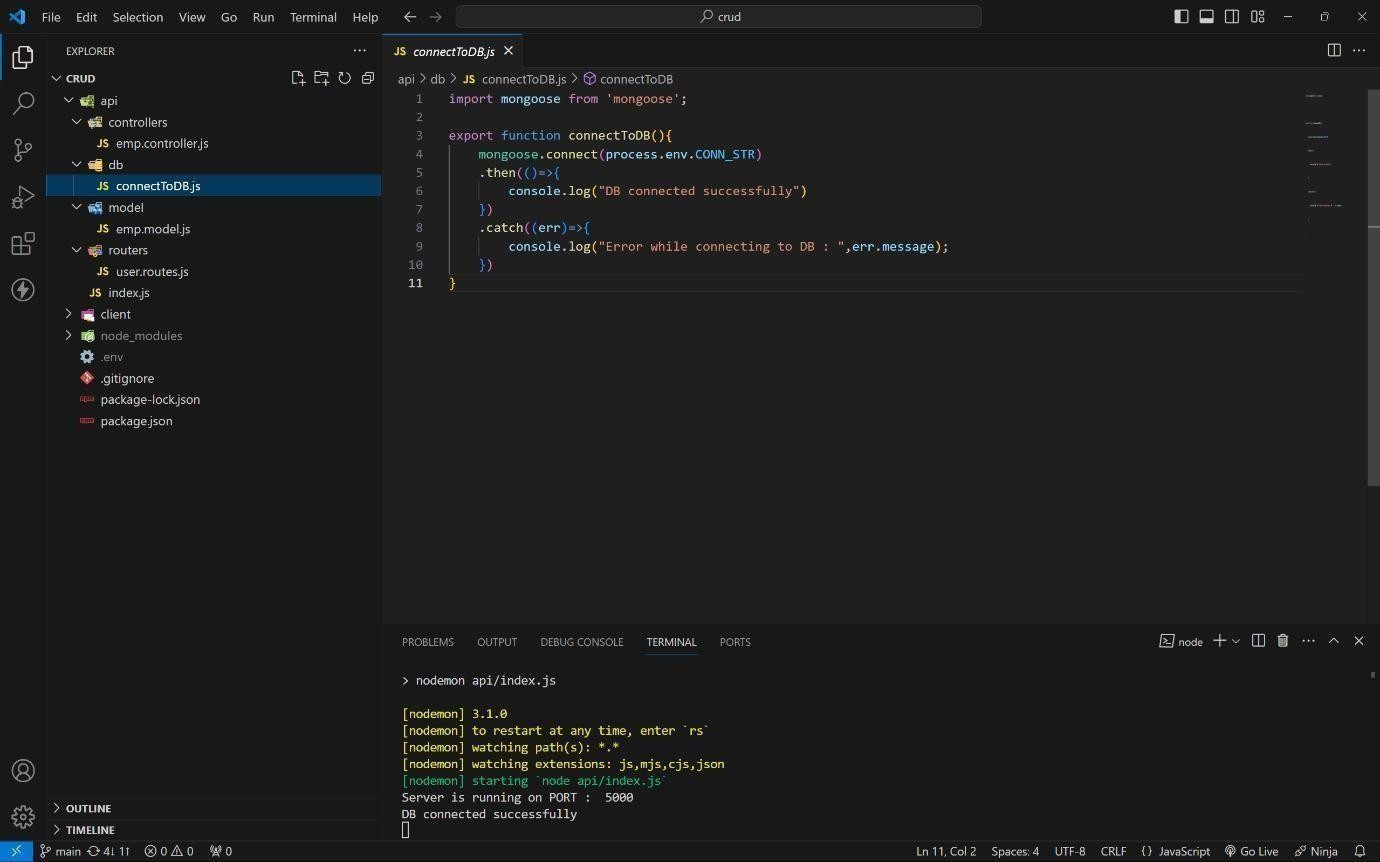
**College Name:** Chebrolu Engineering College

**Source Code:**

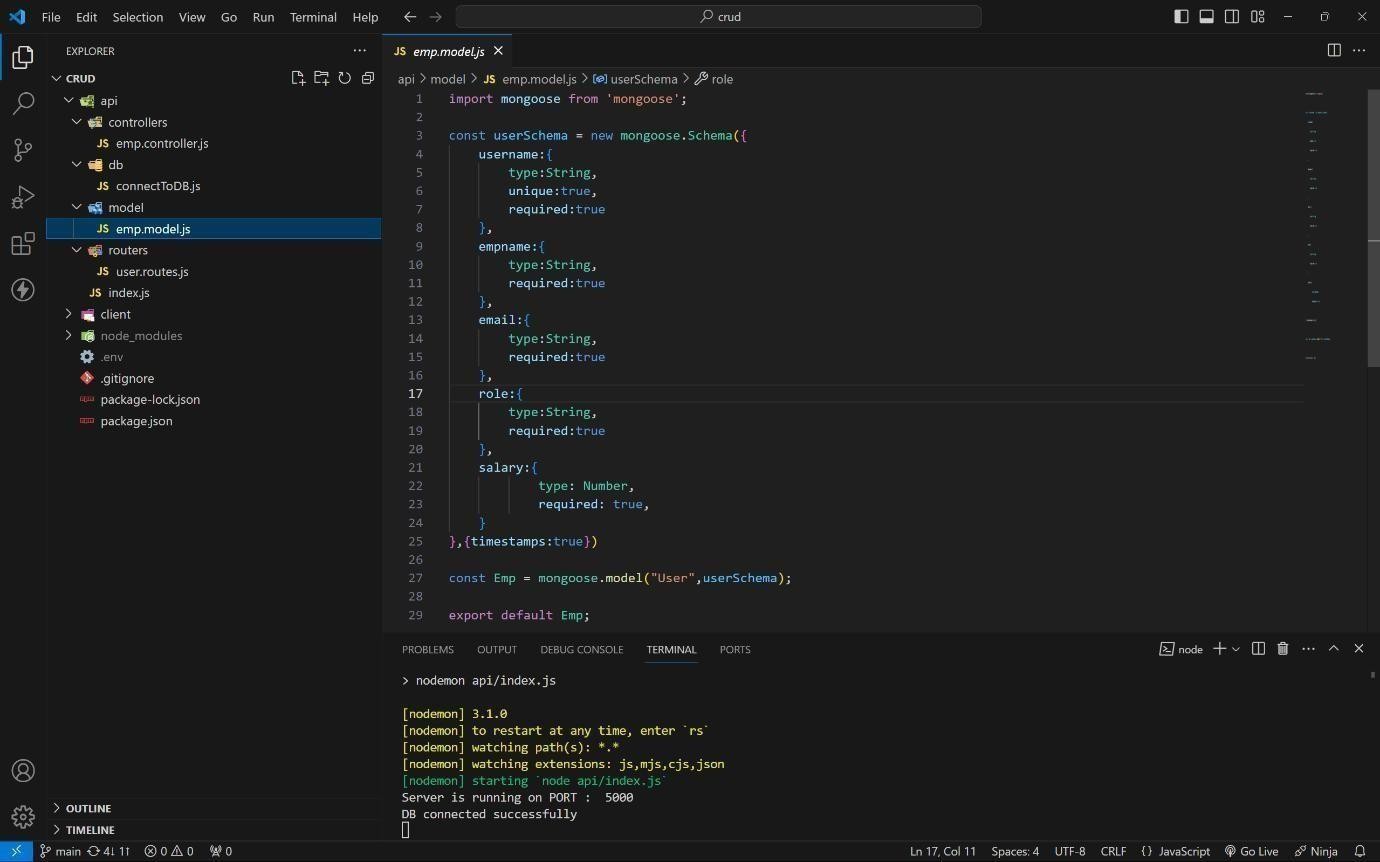
**index.js file :**



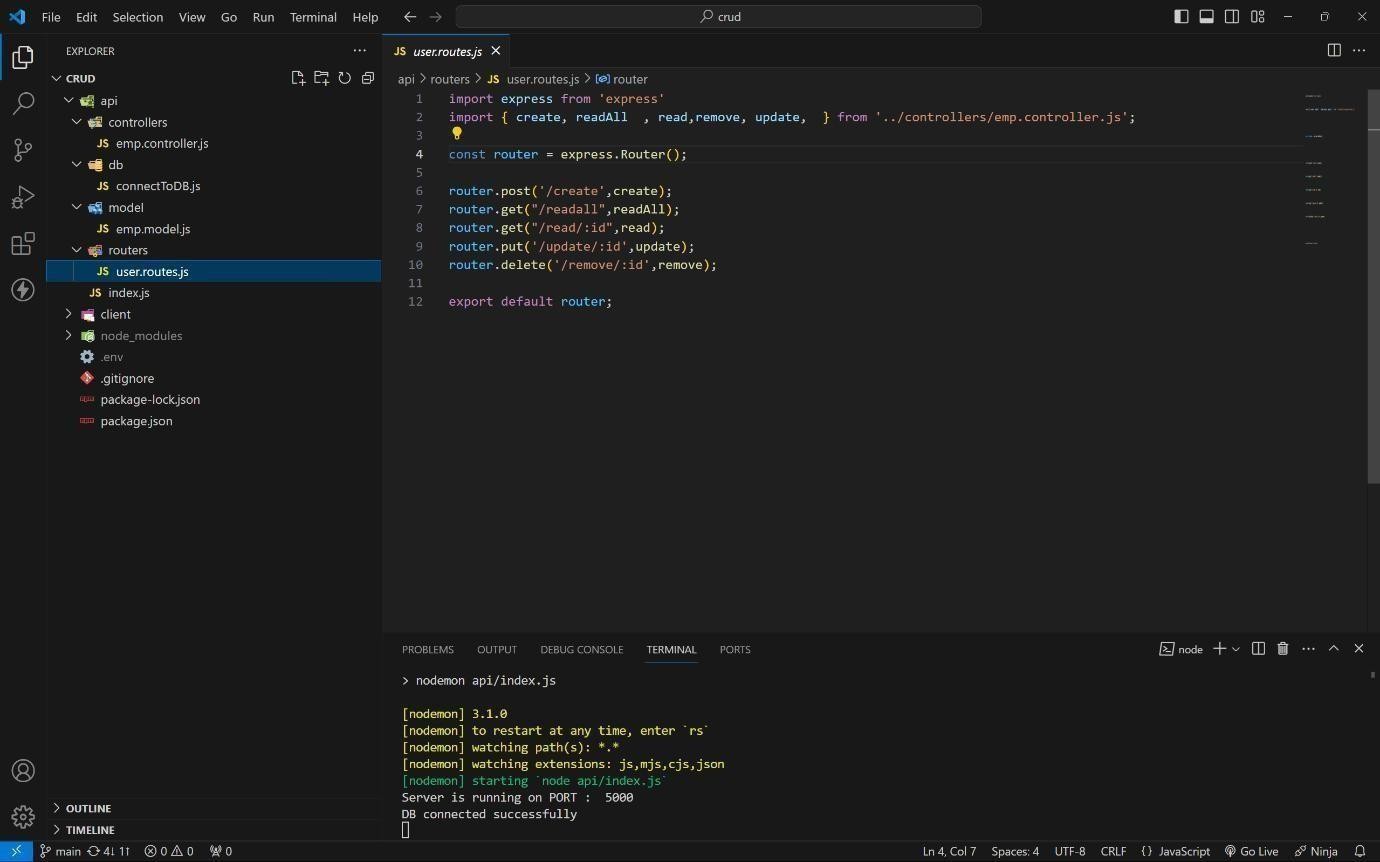
**MONGODB CONNECTION:**



**MODEL:**

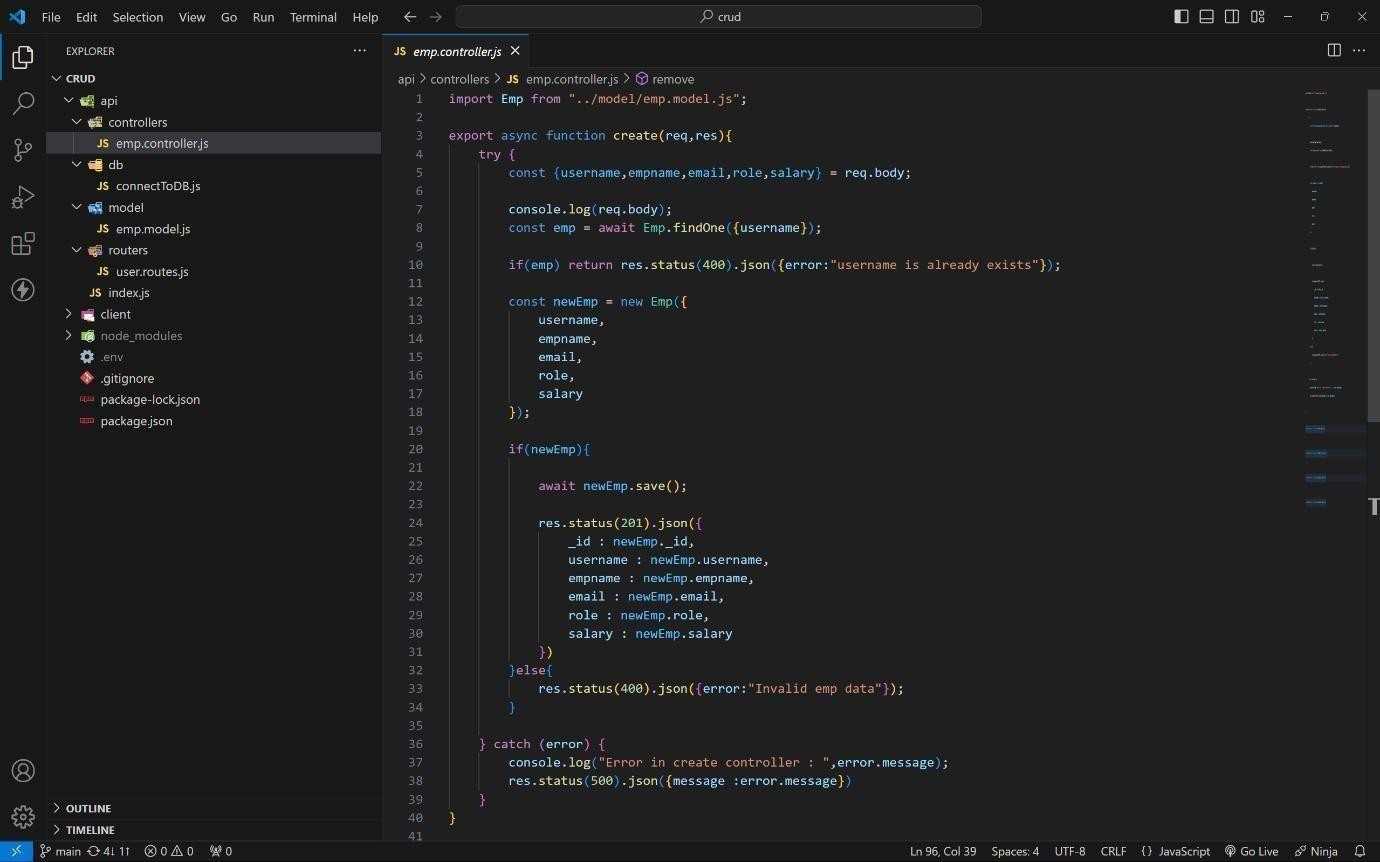


**ROUTES:**

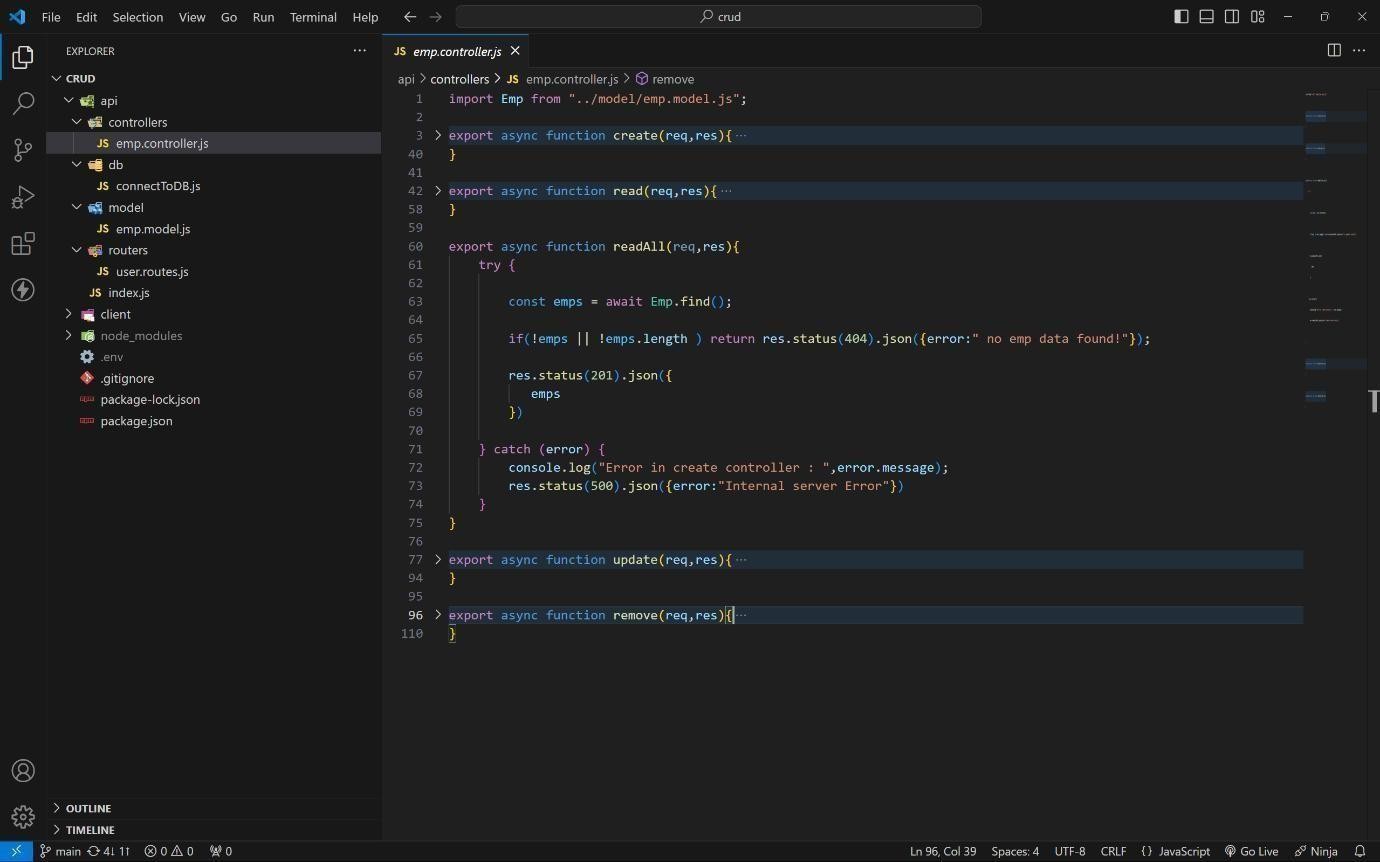


**CONTROLLERS:**

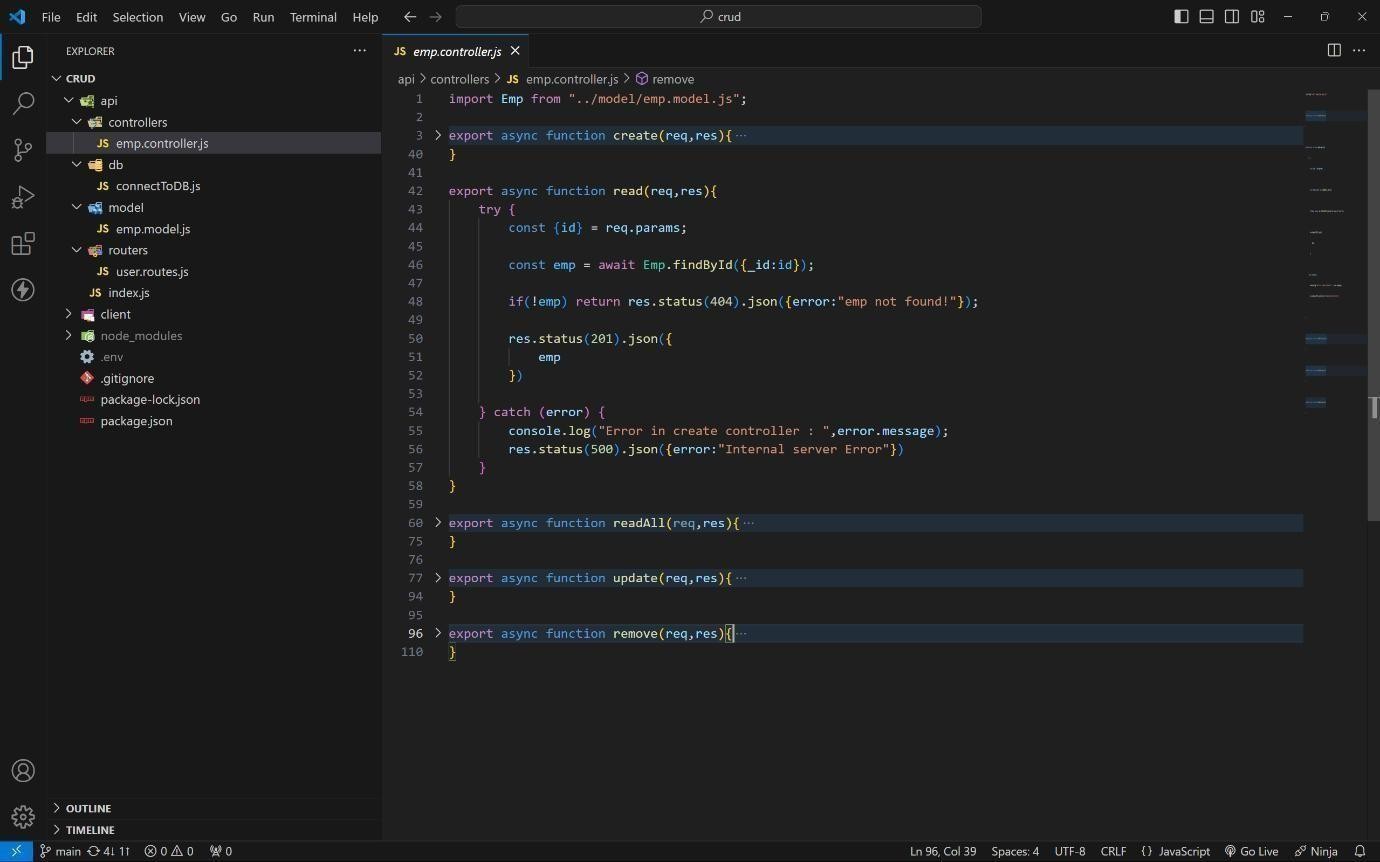
**CREATE:**



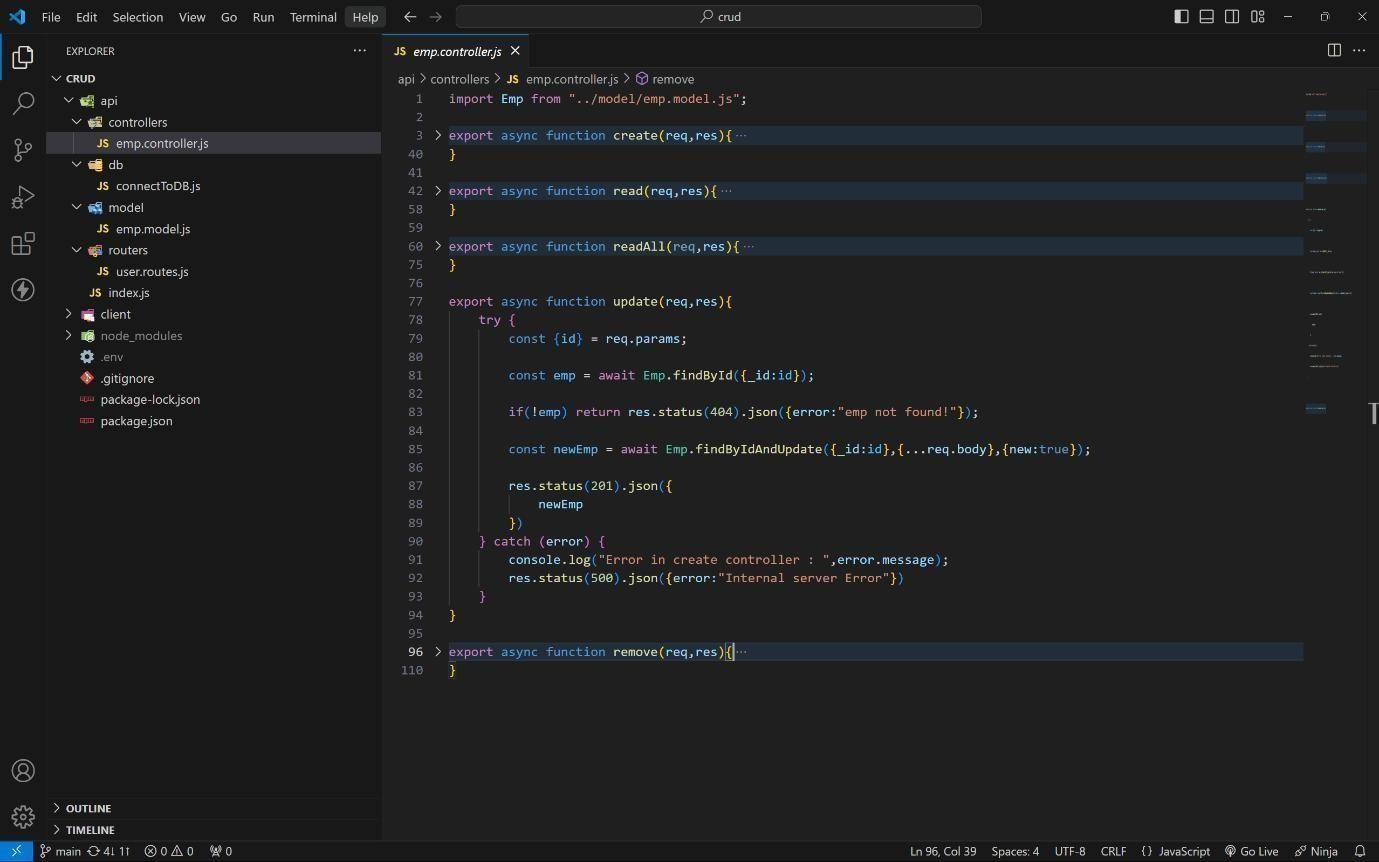
**READALL:**



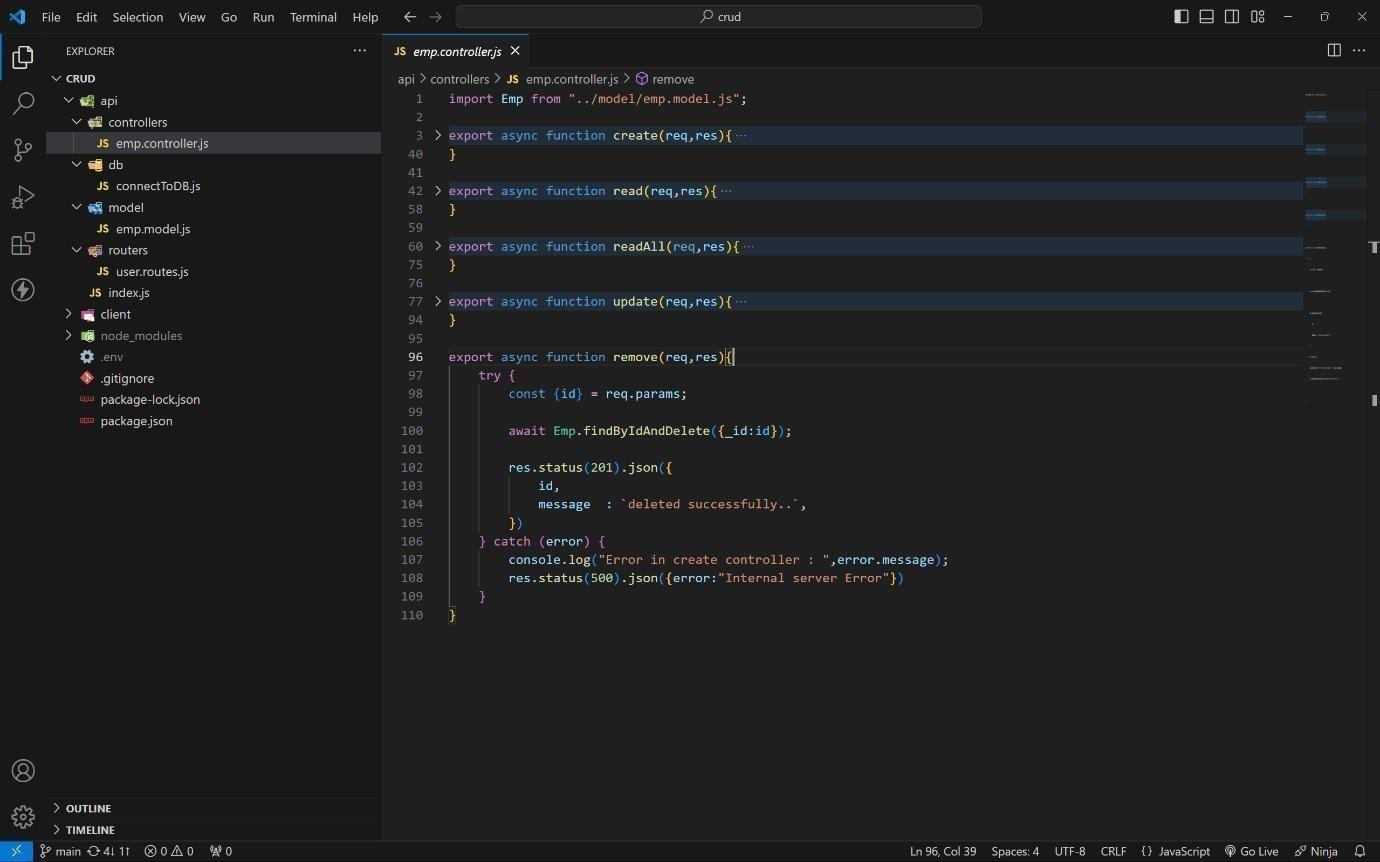
**READONE:**



**UPDATE:**



**DELETE:**



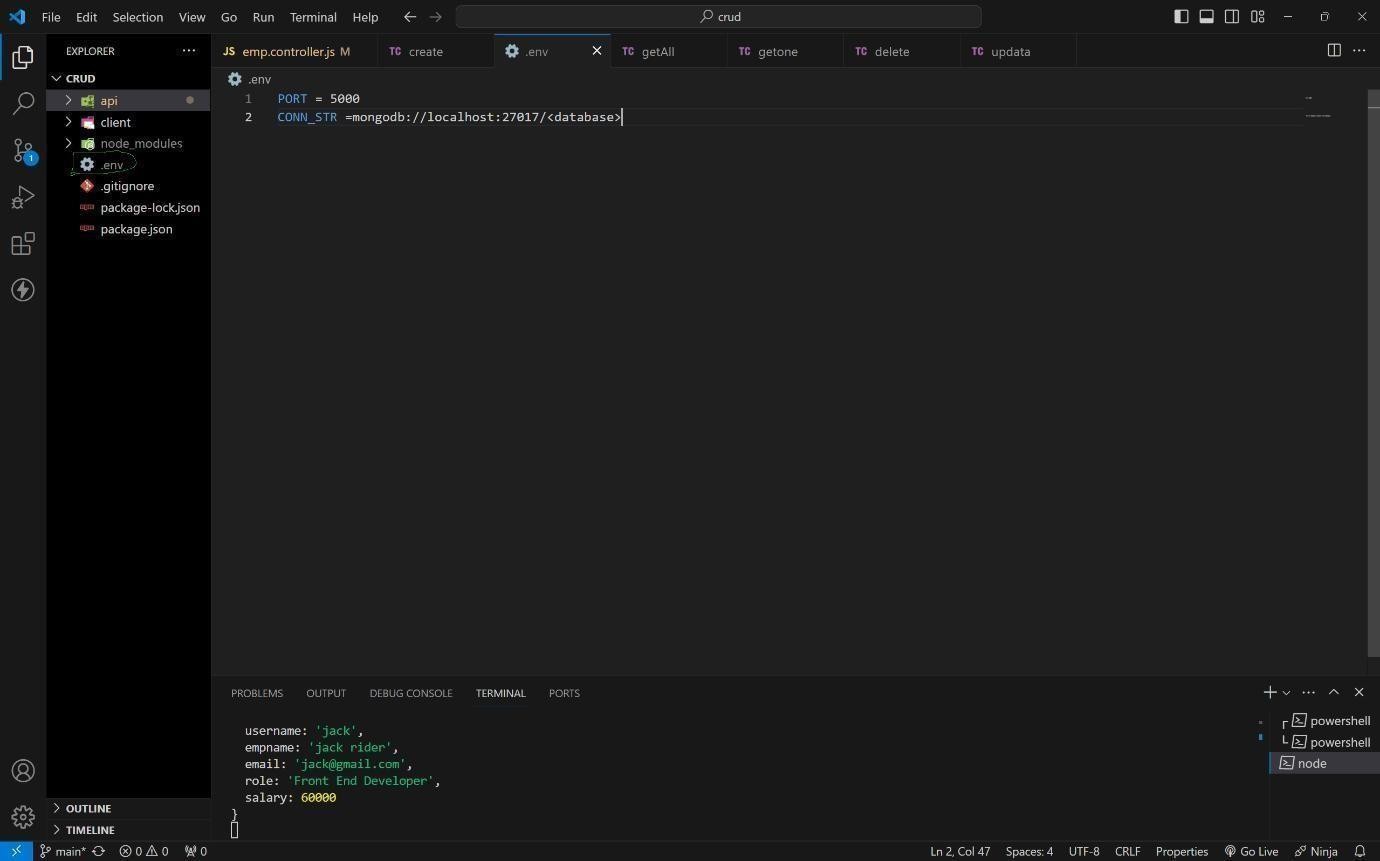
**HOW TO RUN ON LOCALLY:**

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)

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



--- trouble in above process?:

simply paste this code in .env file.

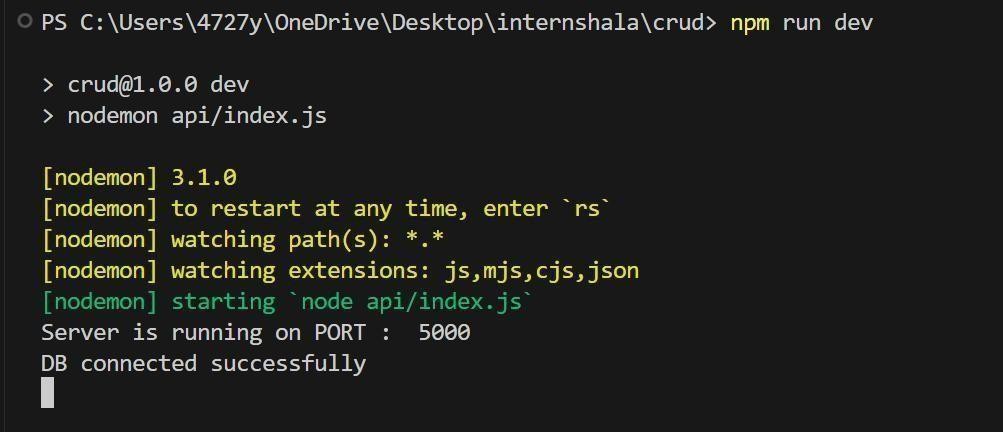
PORT = 5000

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

/?retry Writes=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. 4 . 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 :**
2. **. 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
3. **. After sending you will get updated user details as response.**

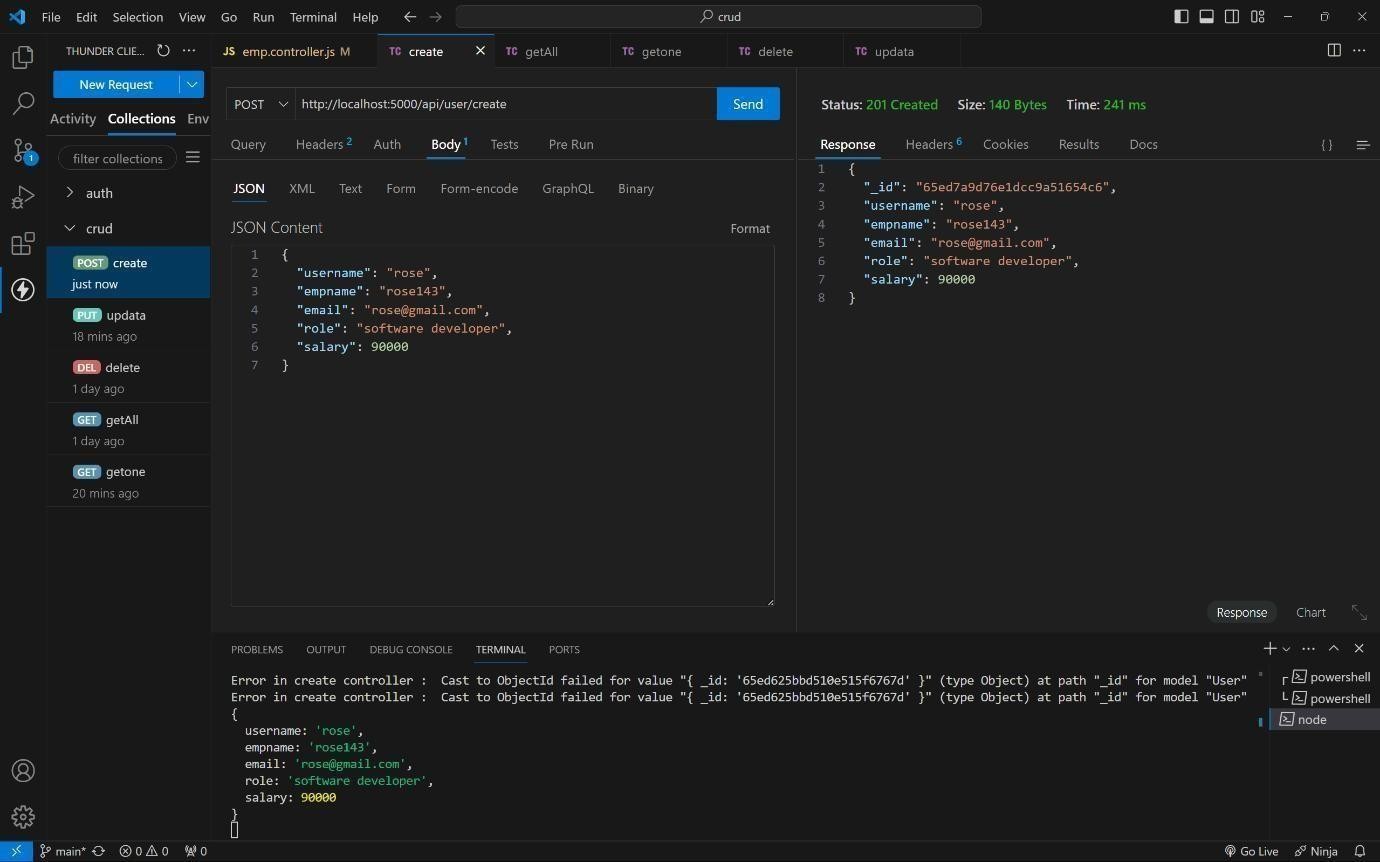
DELETE :

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

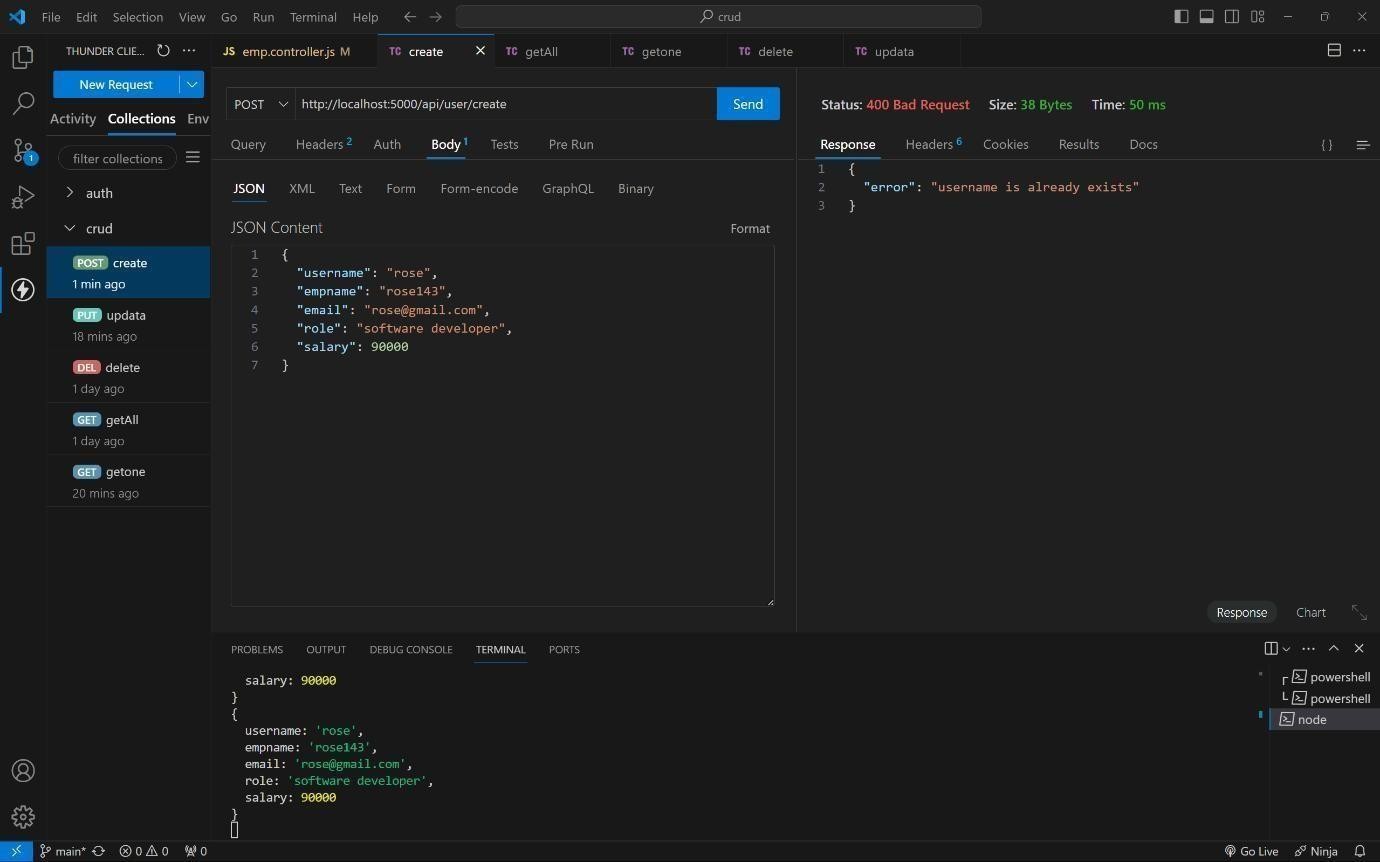
http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

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

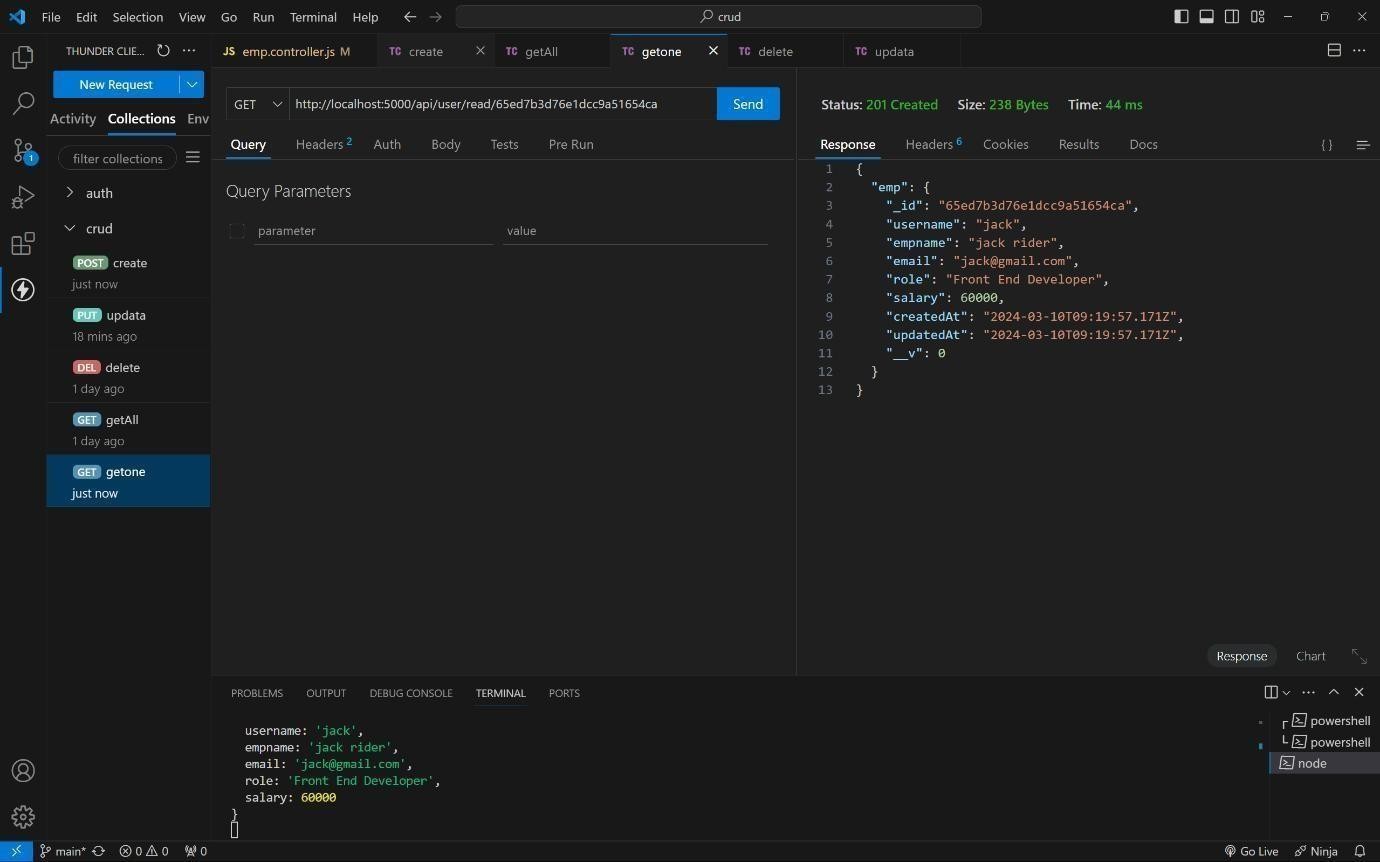
CREATE A NEW USER :



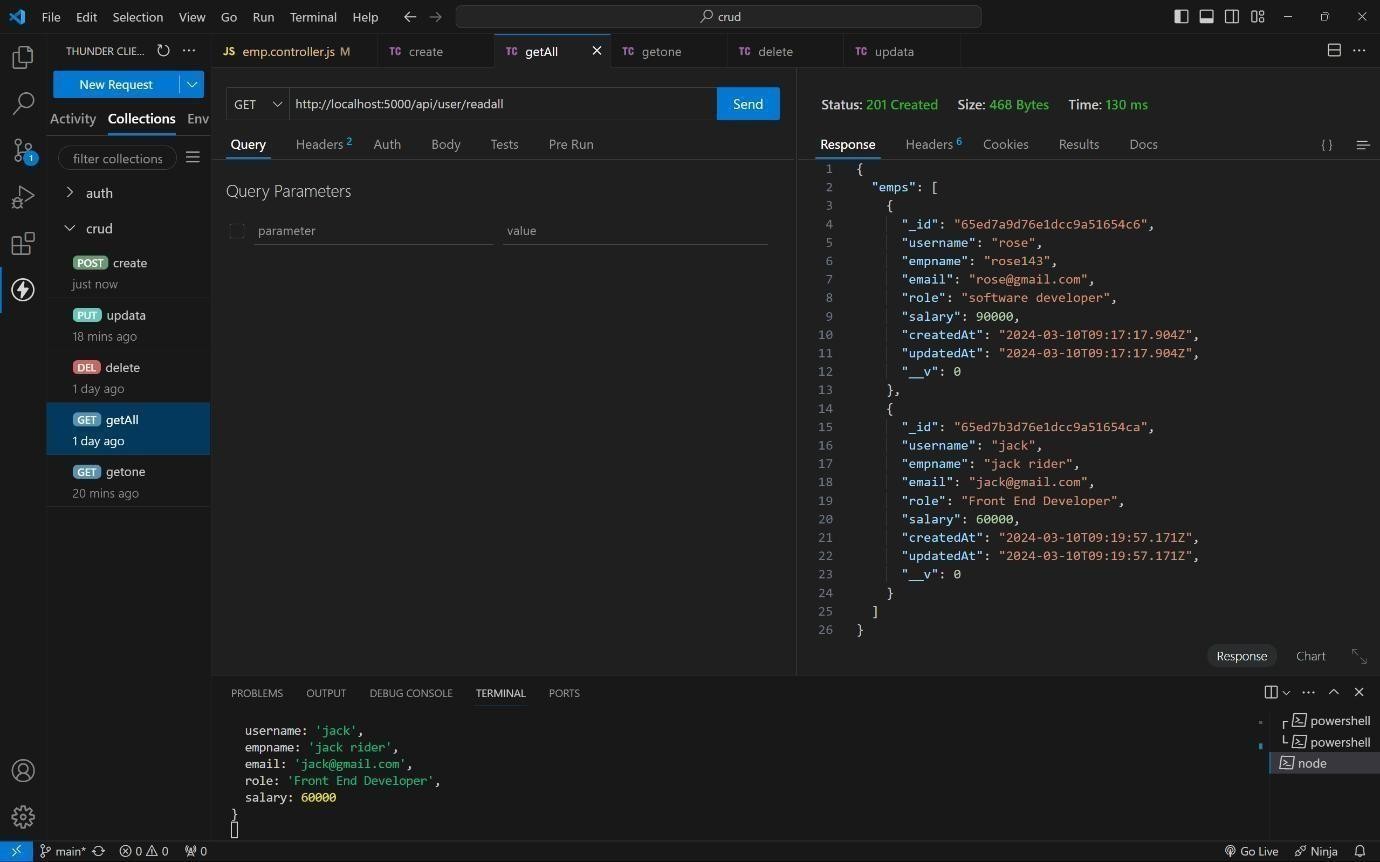
CREATING USER WITH EXISTING USERNAEM :



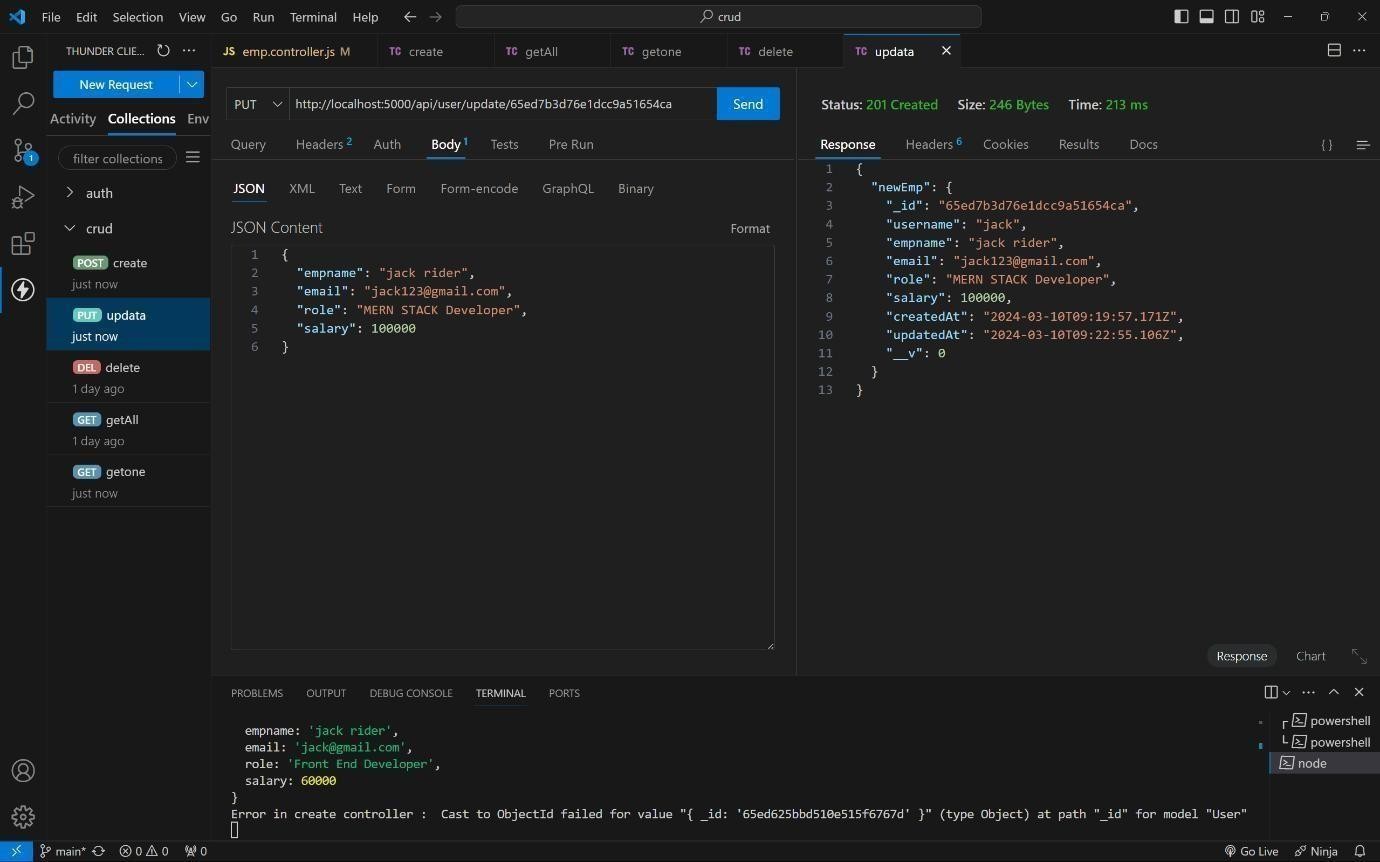
**READONE :**



READ ALL :



UPDATE :



DELETE :

