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

Name : MAGHAM SAI AMAR

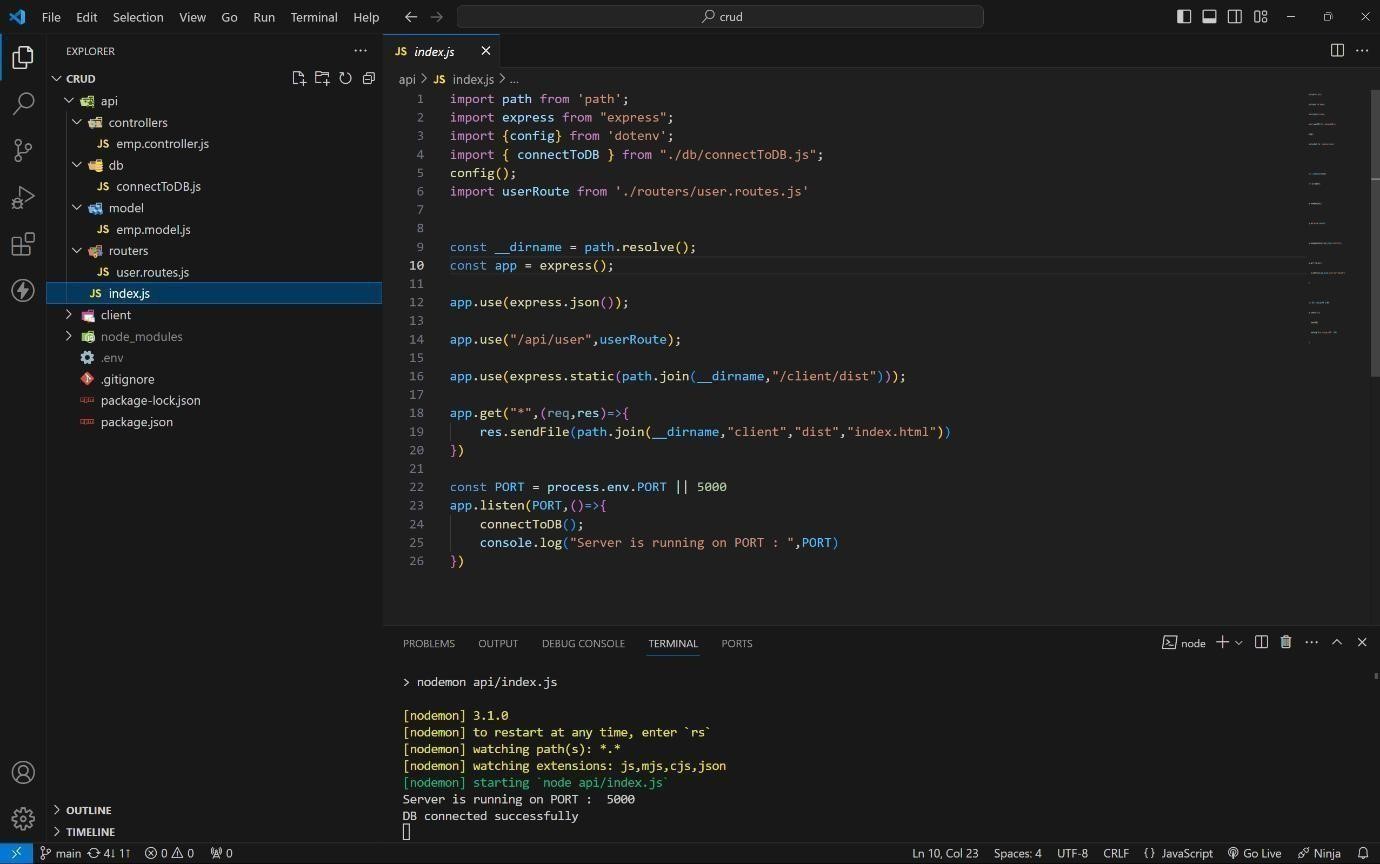
Email Id : amarmagham@gmail.com

Phone no : 9392505708

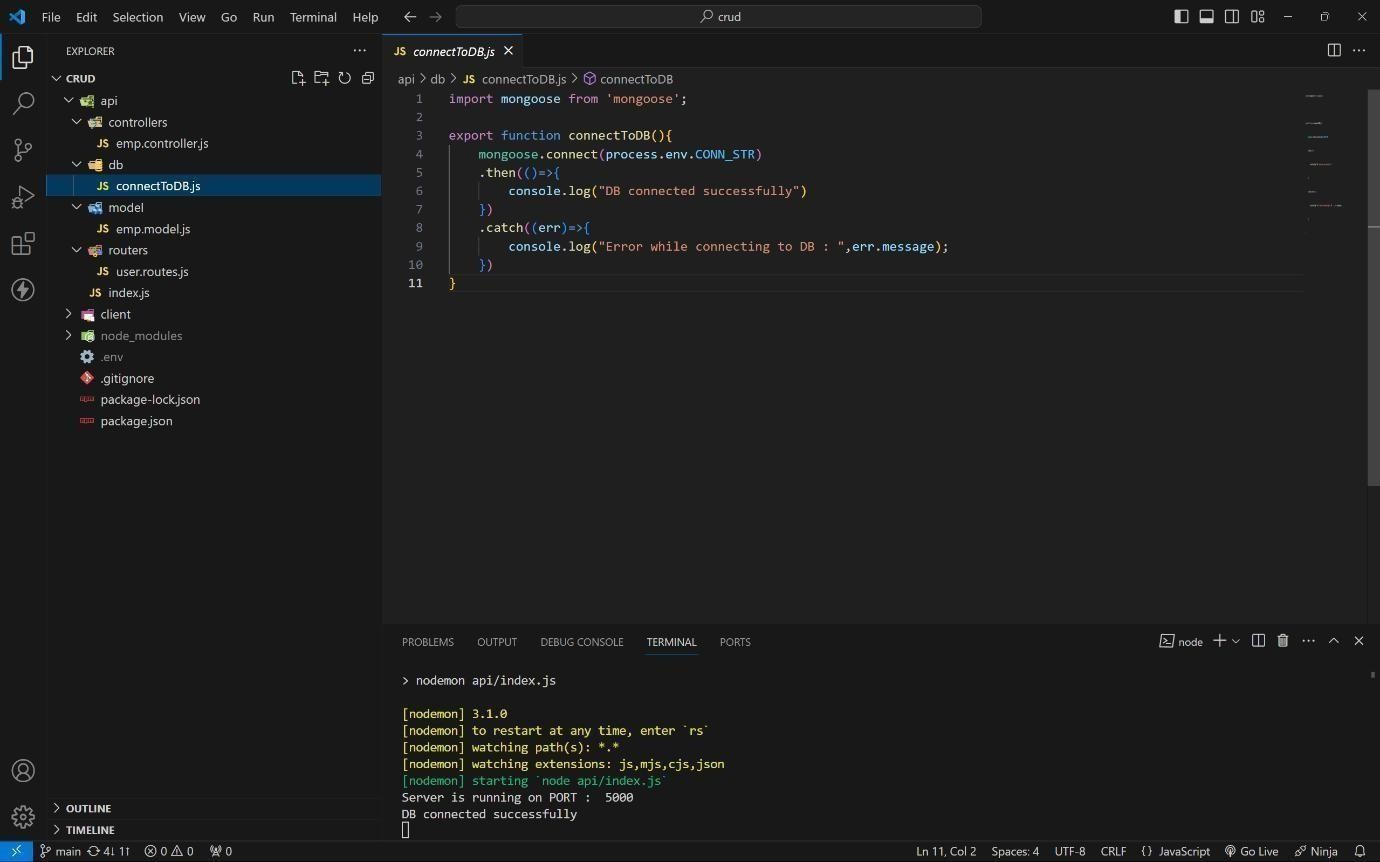
Roll NO : 20HU1A0428

College Name : Chebrolu Engineering College

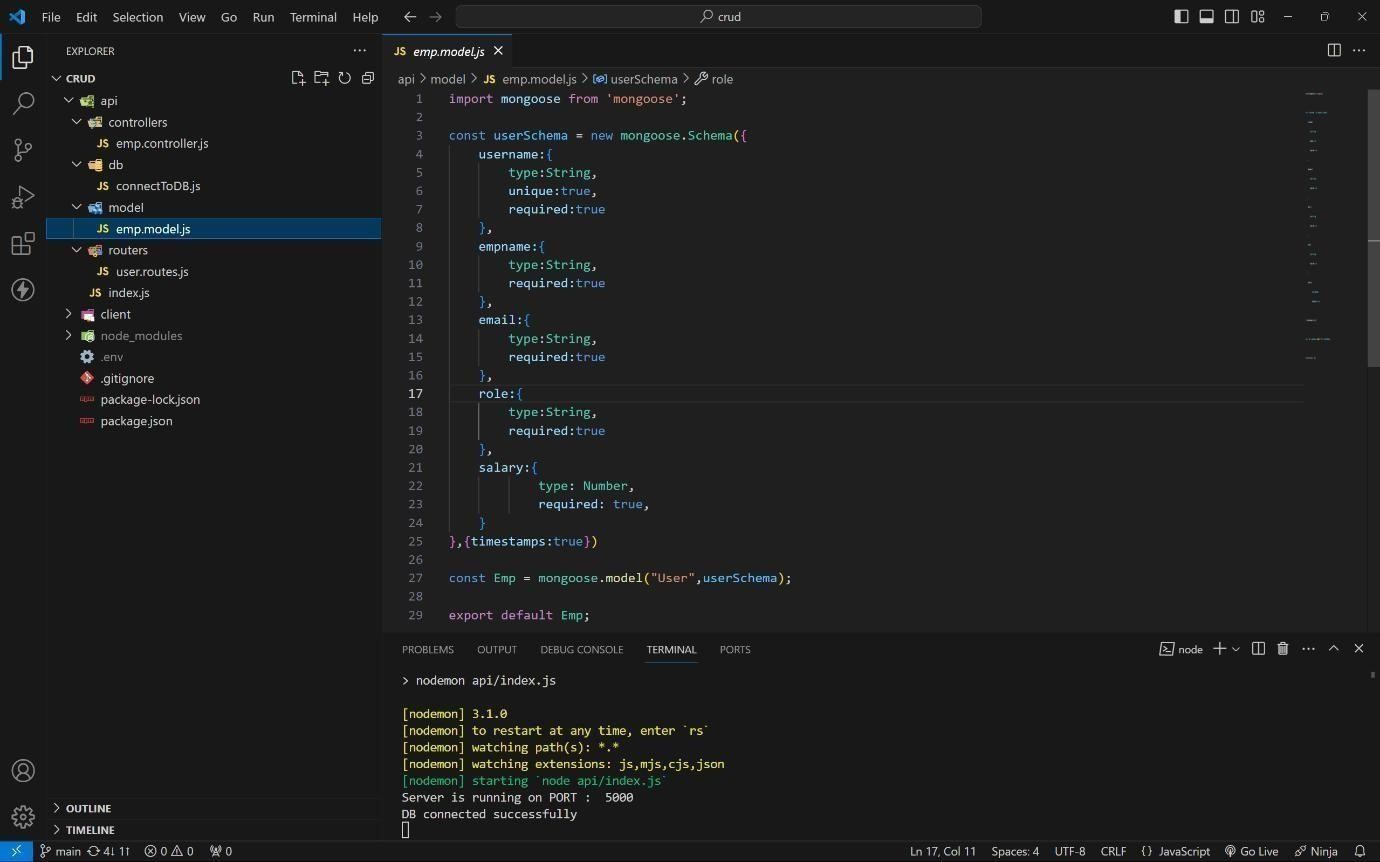
Source Code: index.js file :



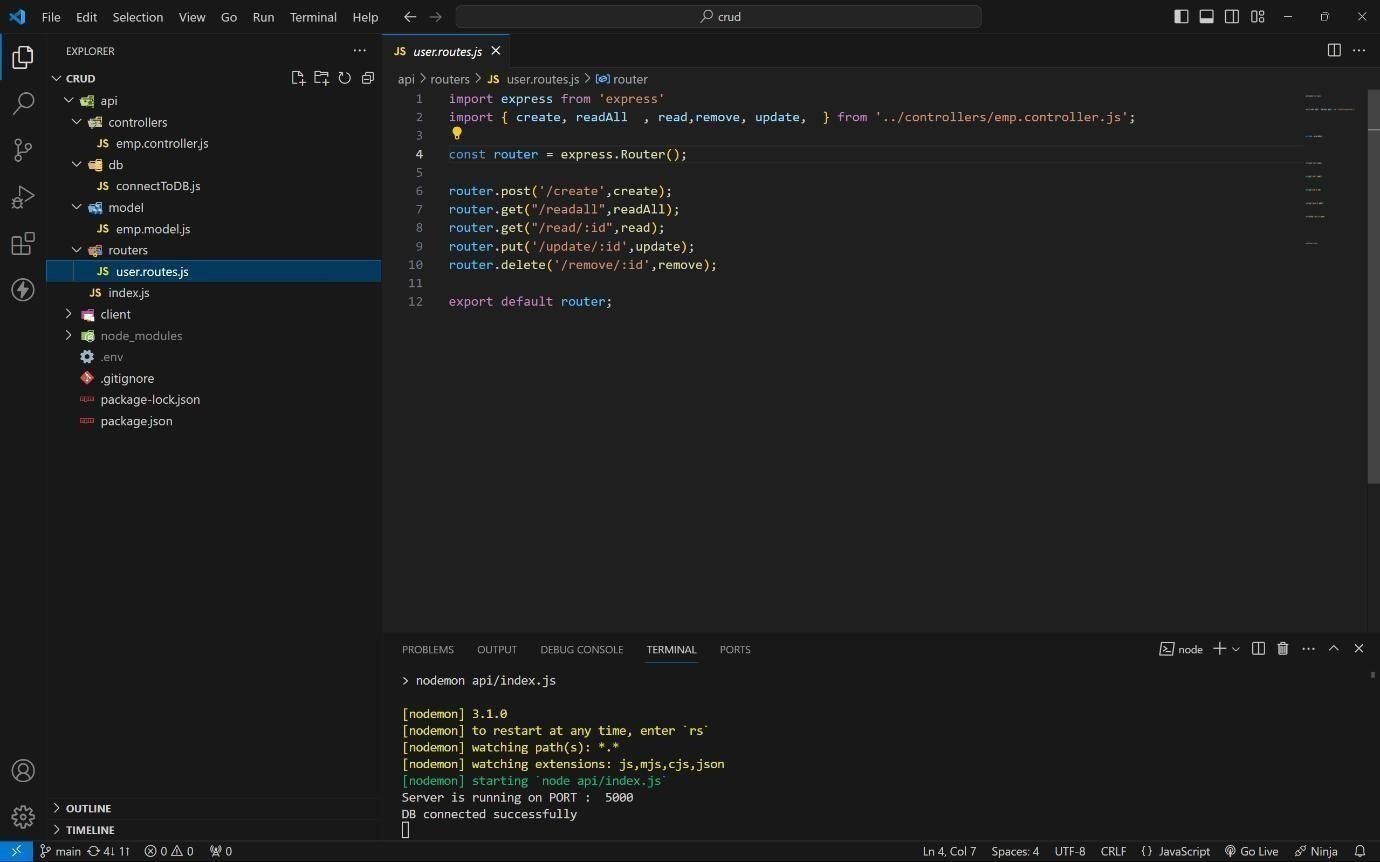
MONGODB CONNECTION:



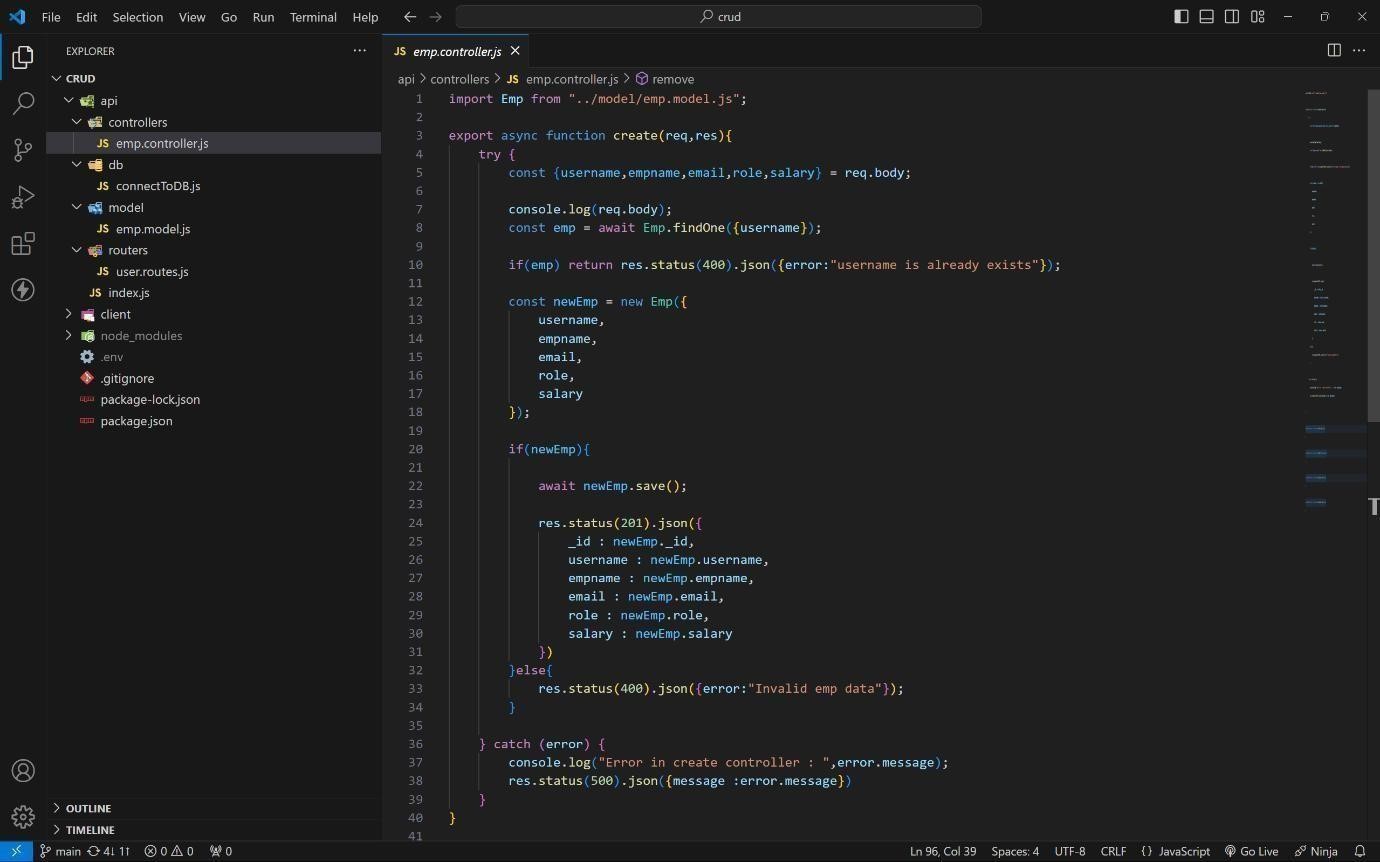
MODEL:



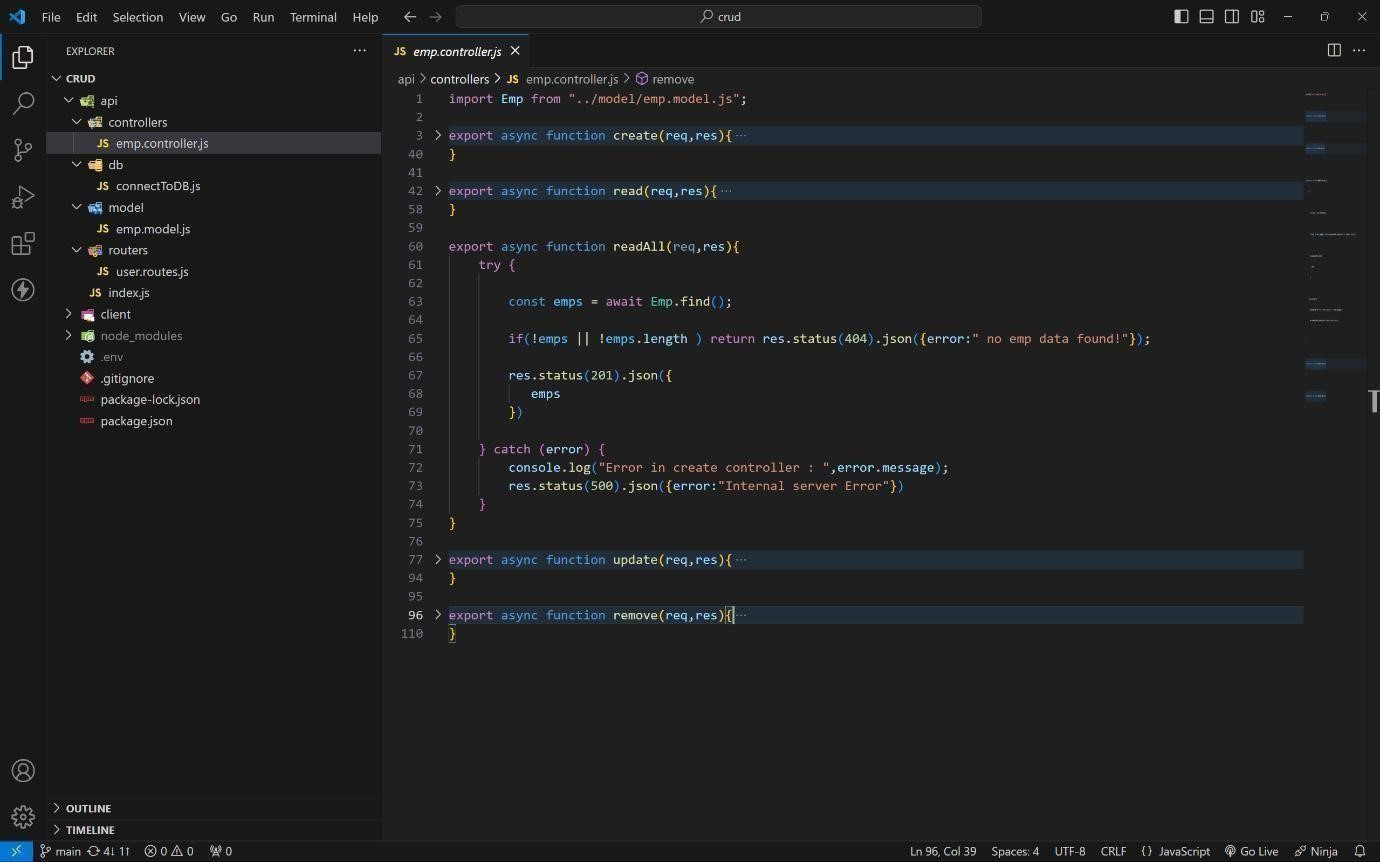
ROUTES:



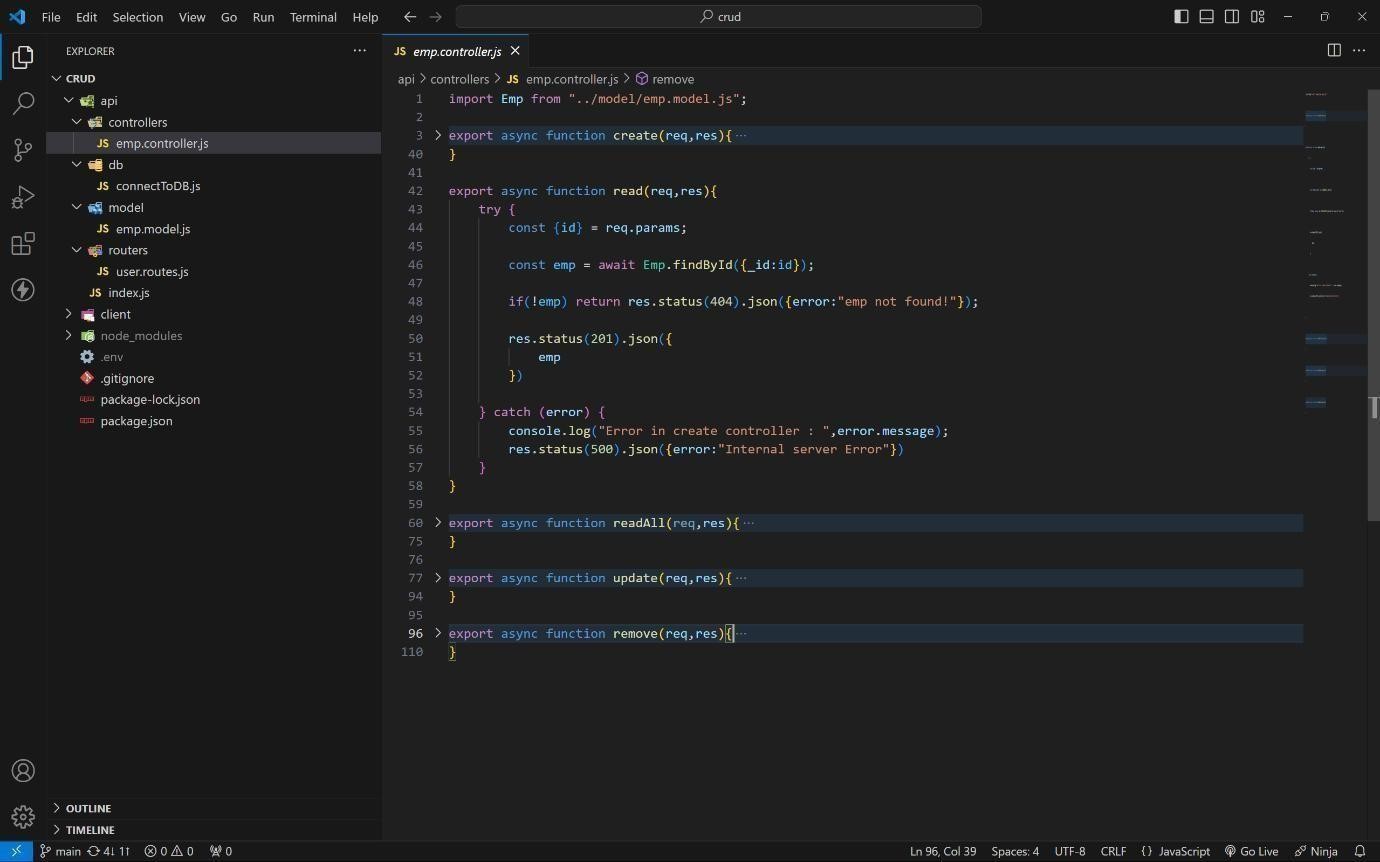
CONTROLLERS: CREATE:



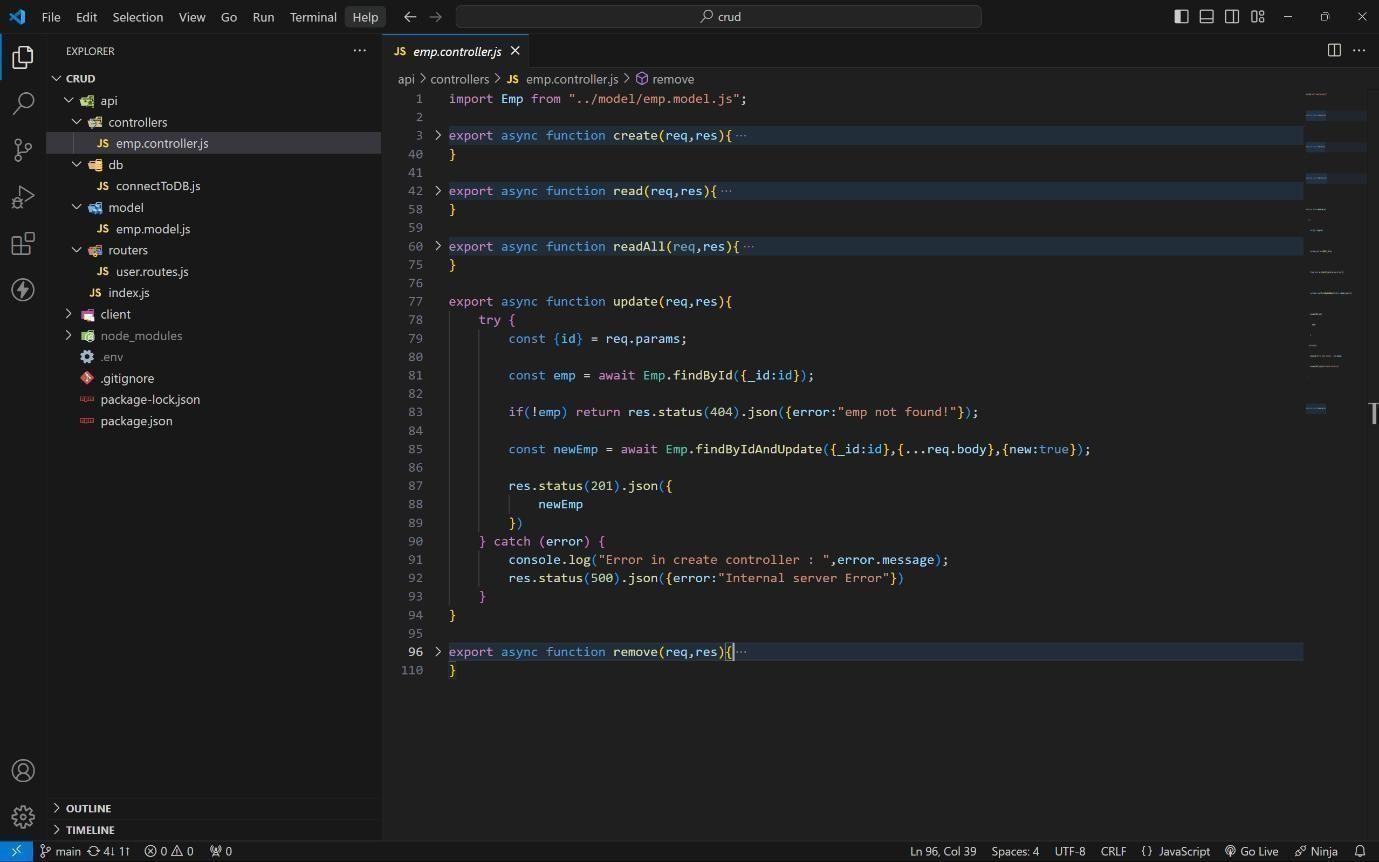
READALL:



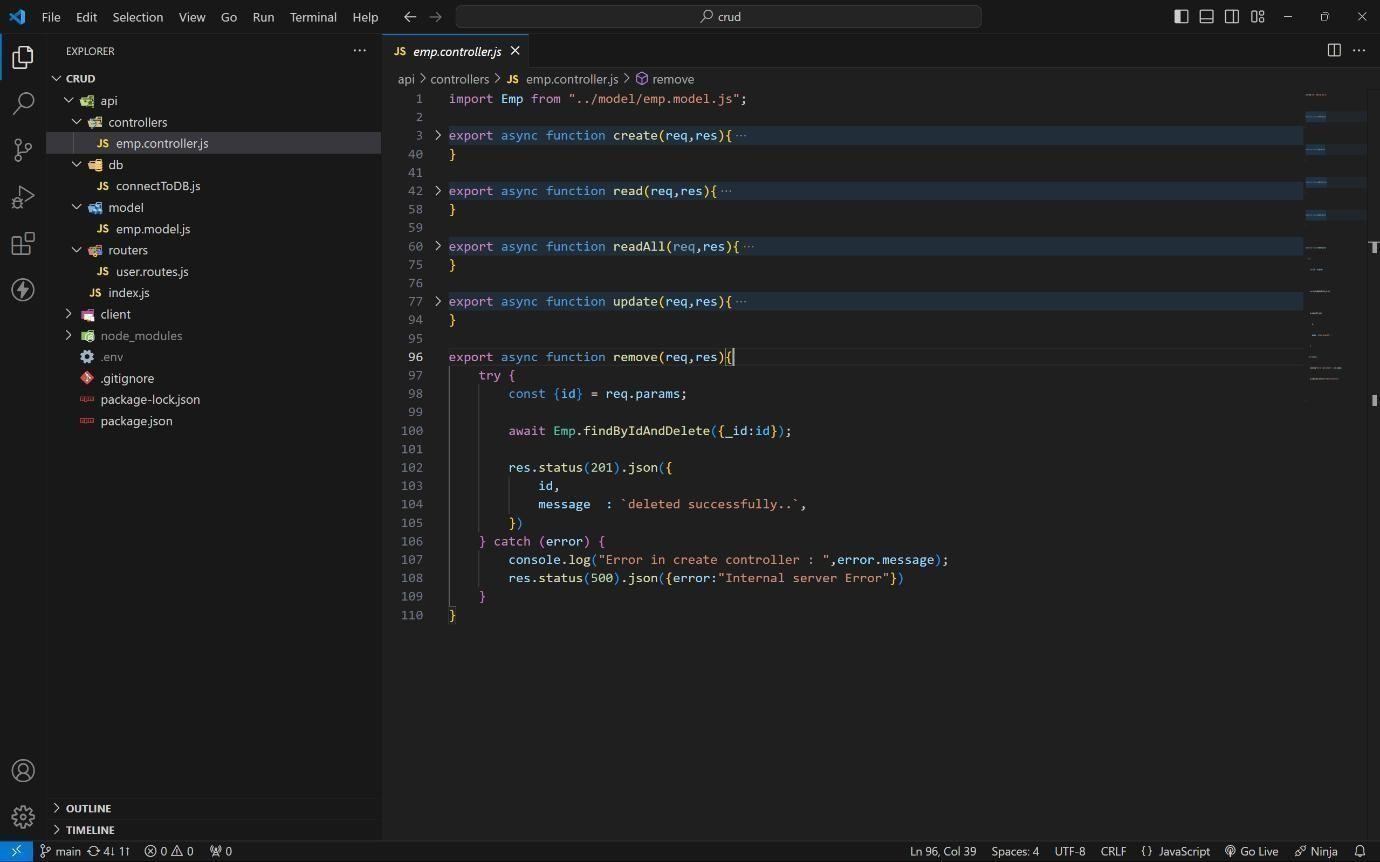
READONE:



UPDATE:



DELETE:

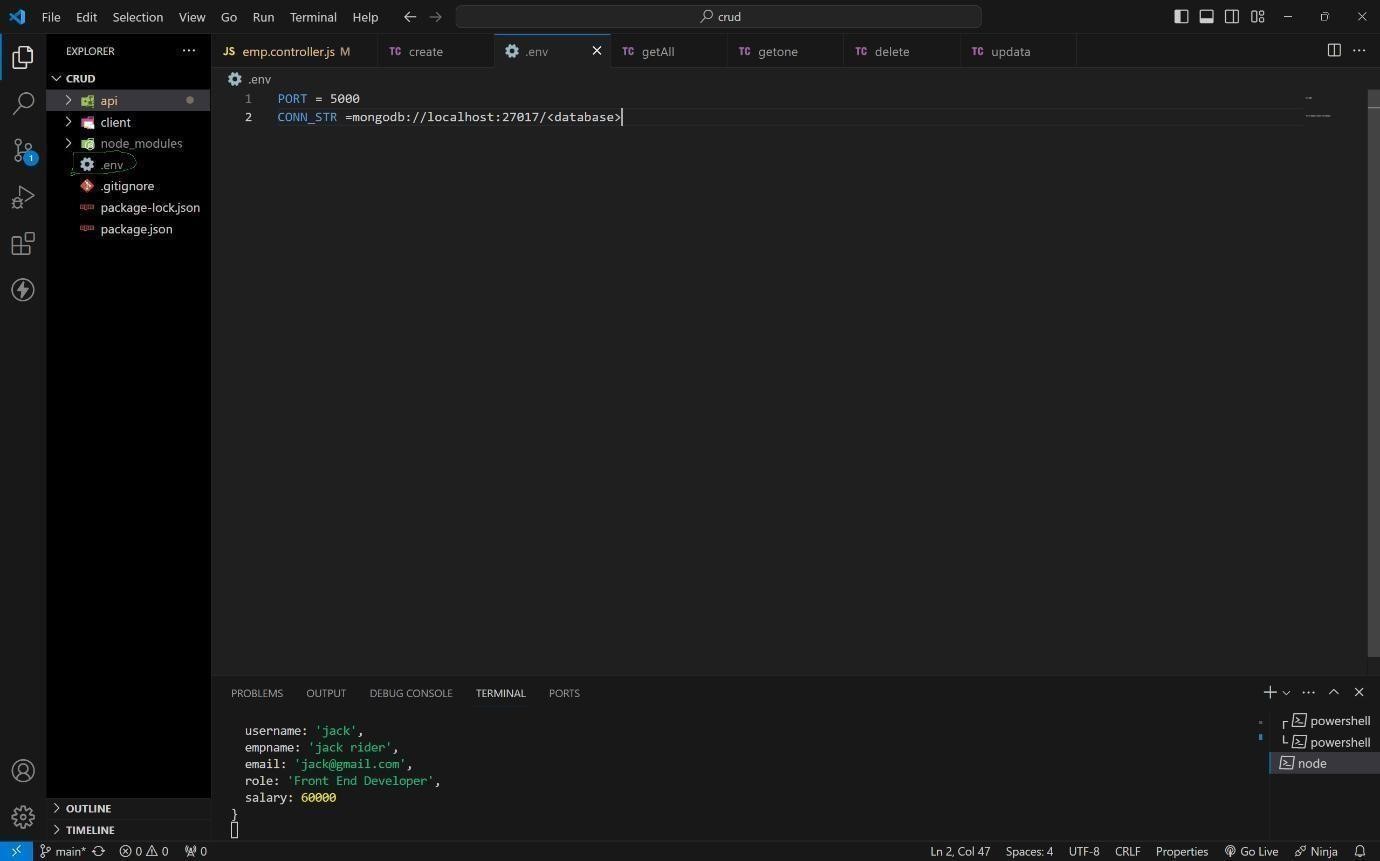


HOW TO RUN ON LOCALLY:

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) 6 . Ignore client folder.
5. . Here crud is root folder.
6. . 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



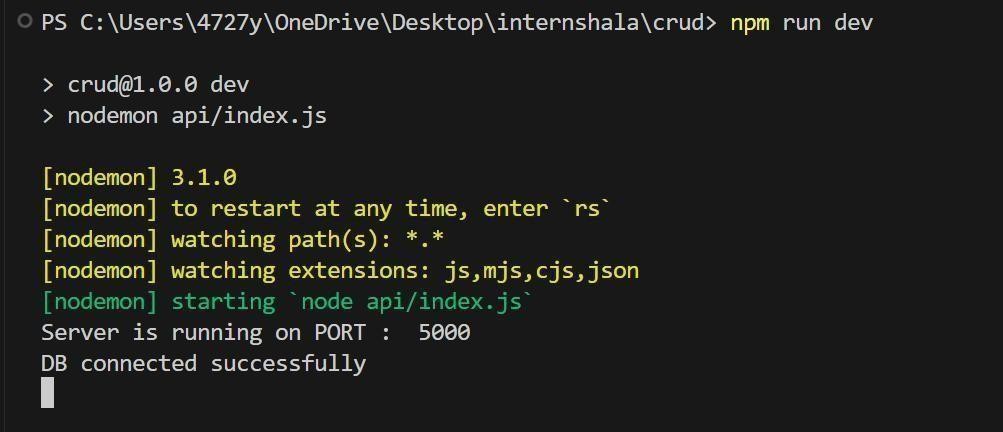
--- trouble in above process?: simply paste this code in .env file.

PORT = 5000

CONN\_STR=mongodb+srv://4727yesuraju:rough@cluster0.wbclvtg.mongodb.net

/?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)
2. . 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",

"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 :

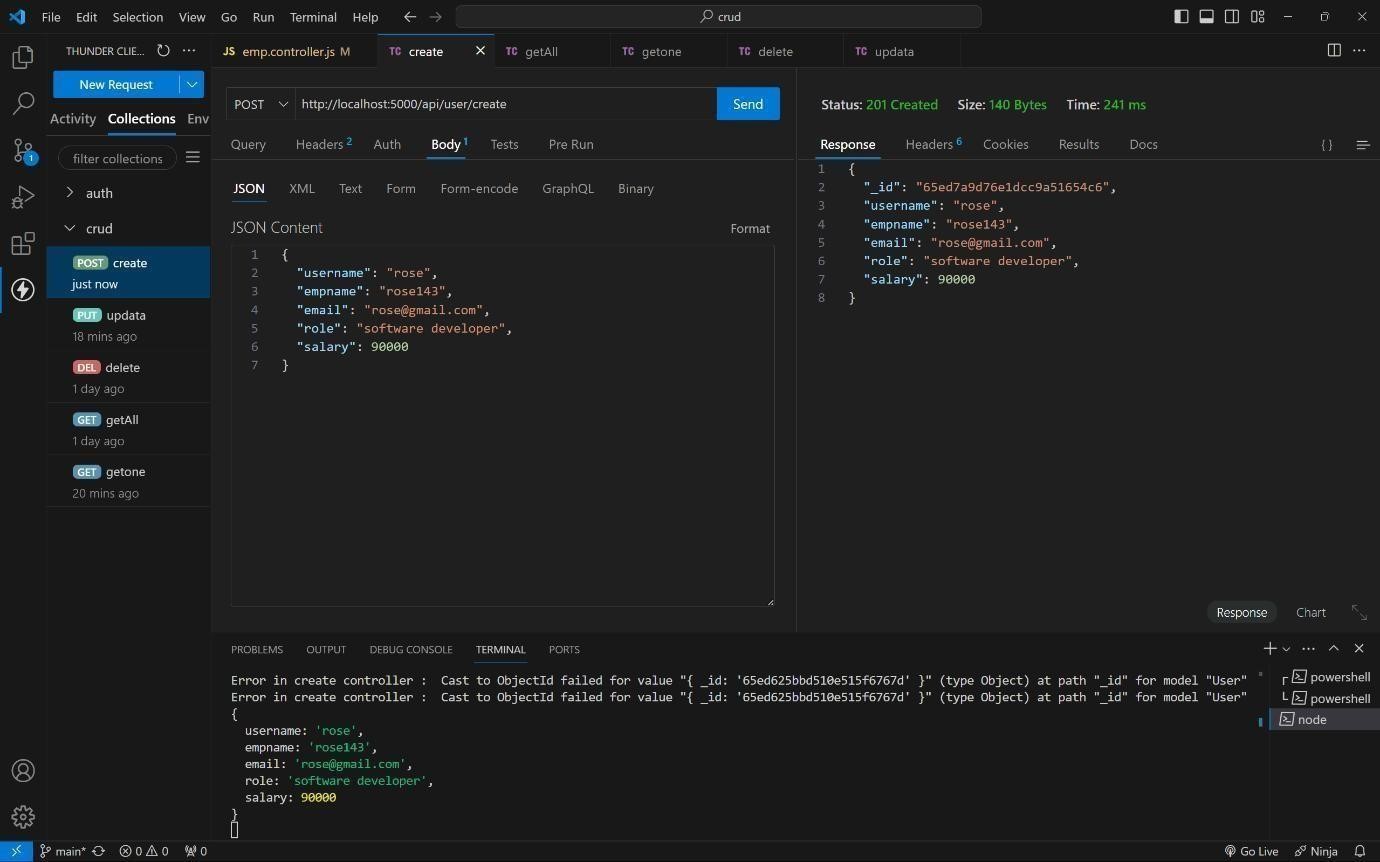
1. . This route is used to update specific user by passing that user id as a param. method as put url as http://localhost:5000/api/user/update/65ed7b3d76e1dcc9a51654ca
2. . After sending you will get updated user details as response.

DELETE :

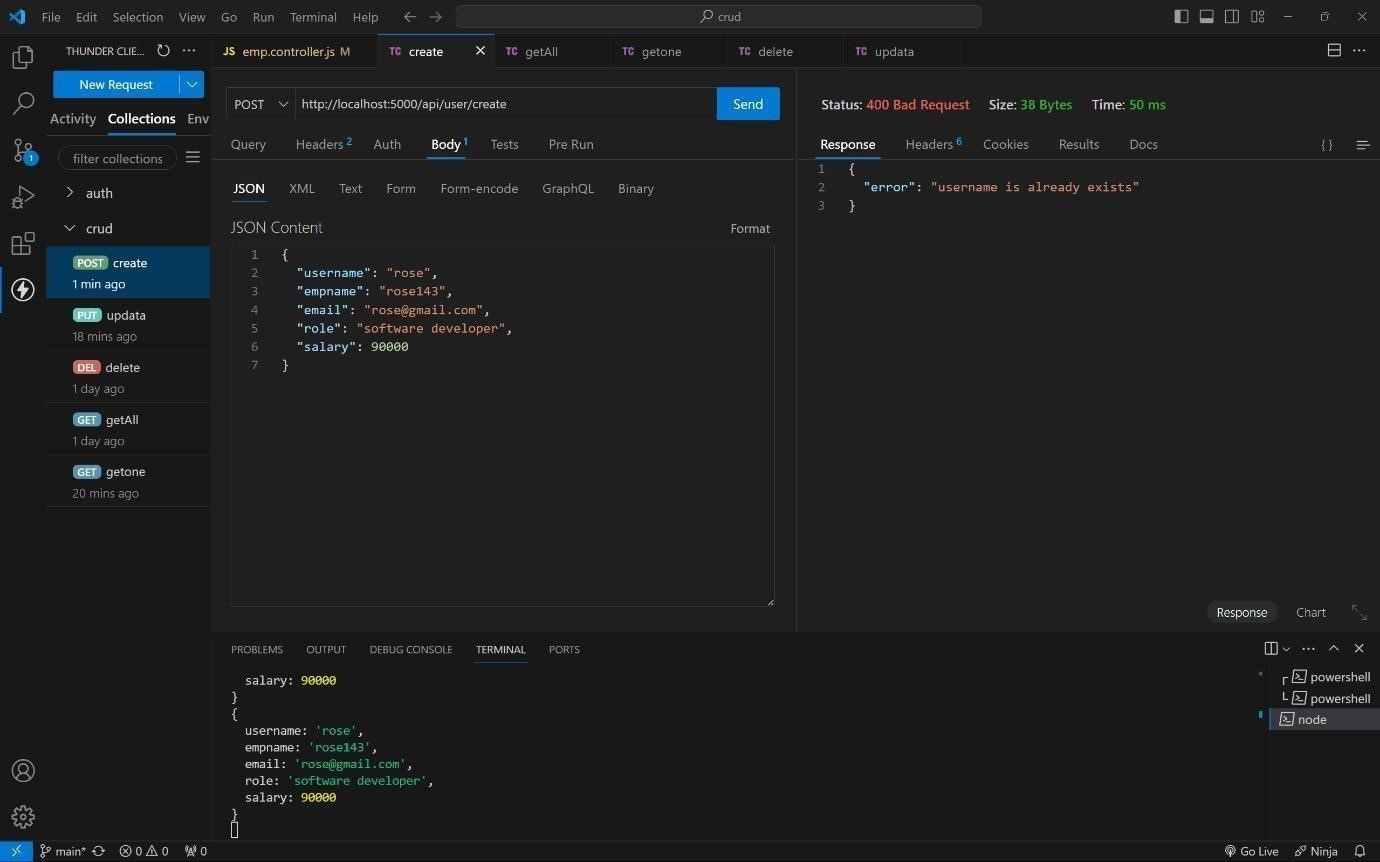
1 . This route is used to delete specific user by passing that user id as a param. method as delete url as http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca 2 . After sending you will deleted successfully as response.

OUTPUT :

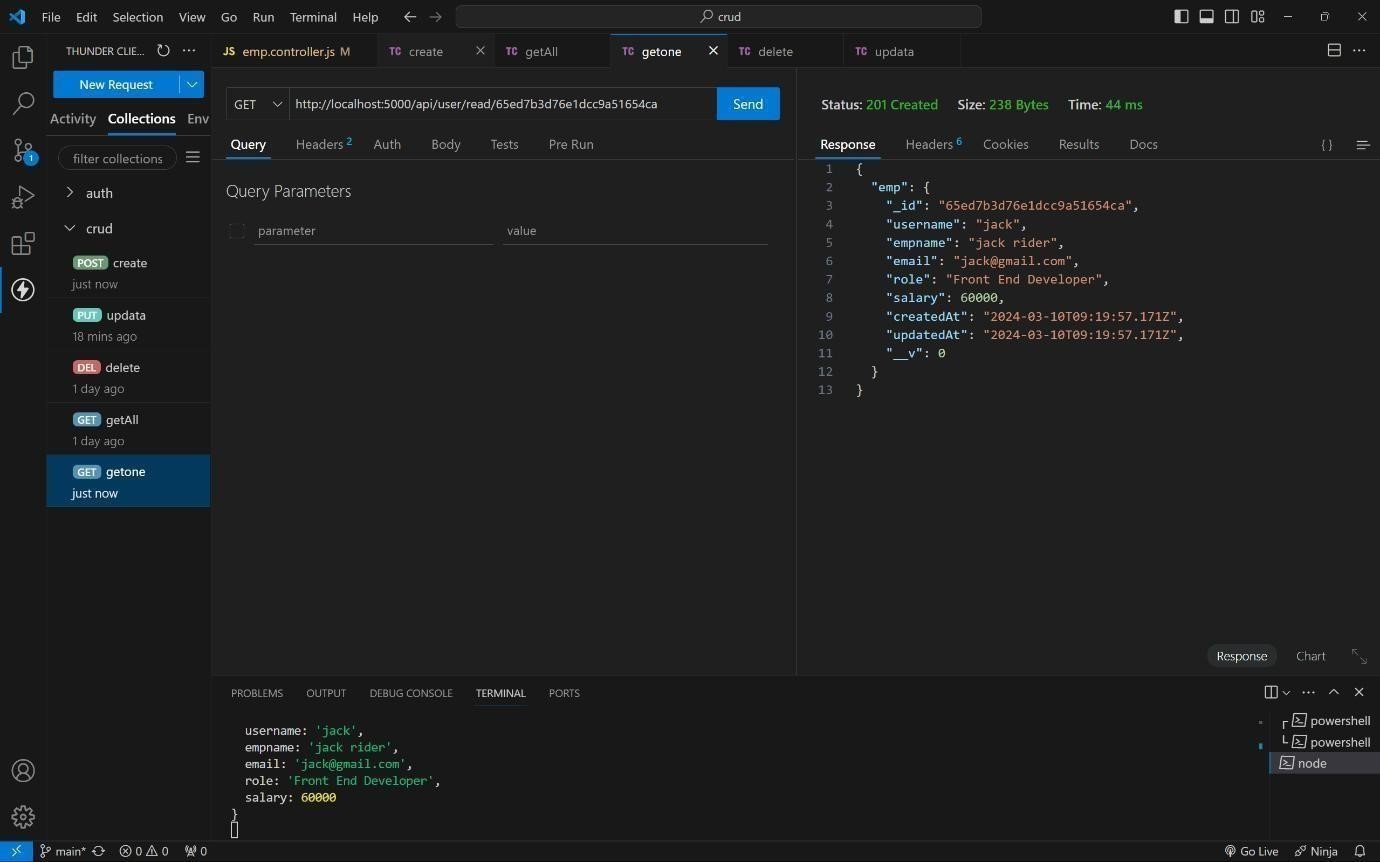
CREATE A NEW USER :



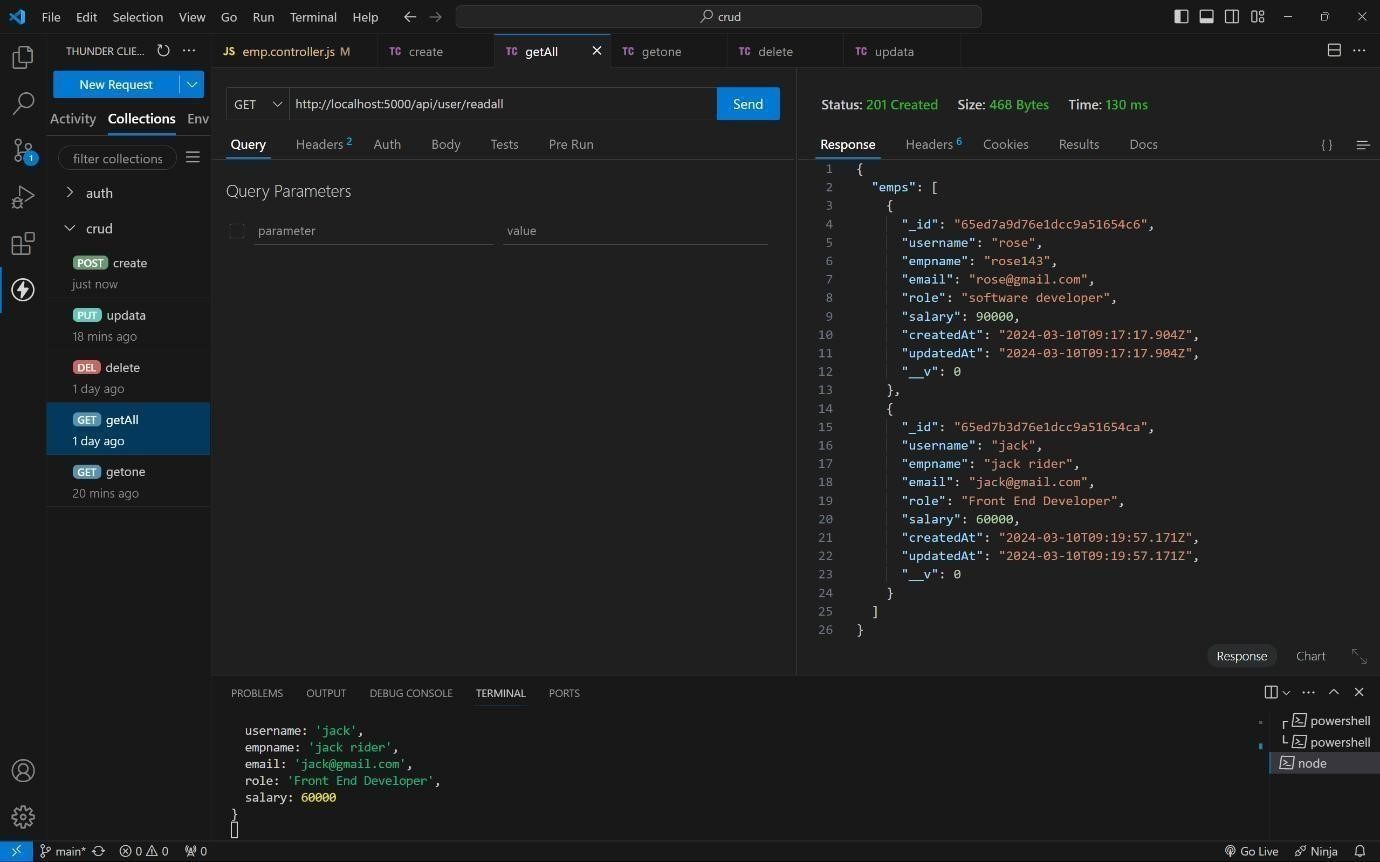
CREATING USER WITH EXISTING USERNAEM :



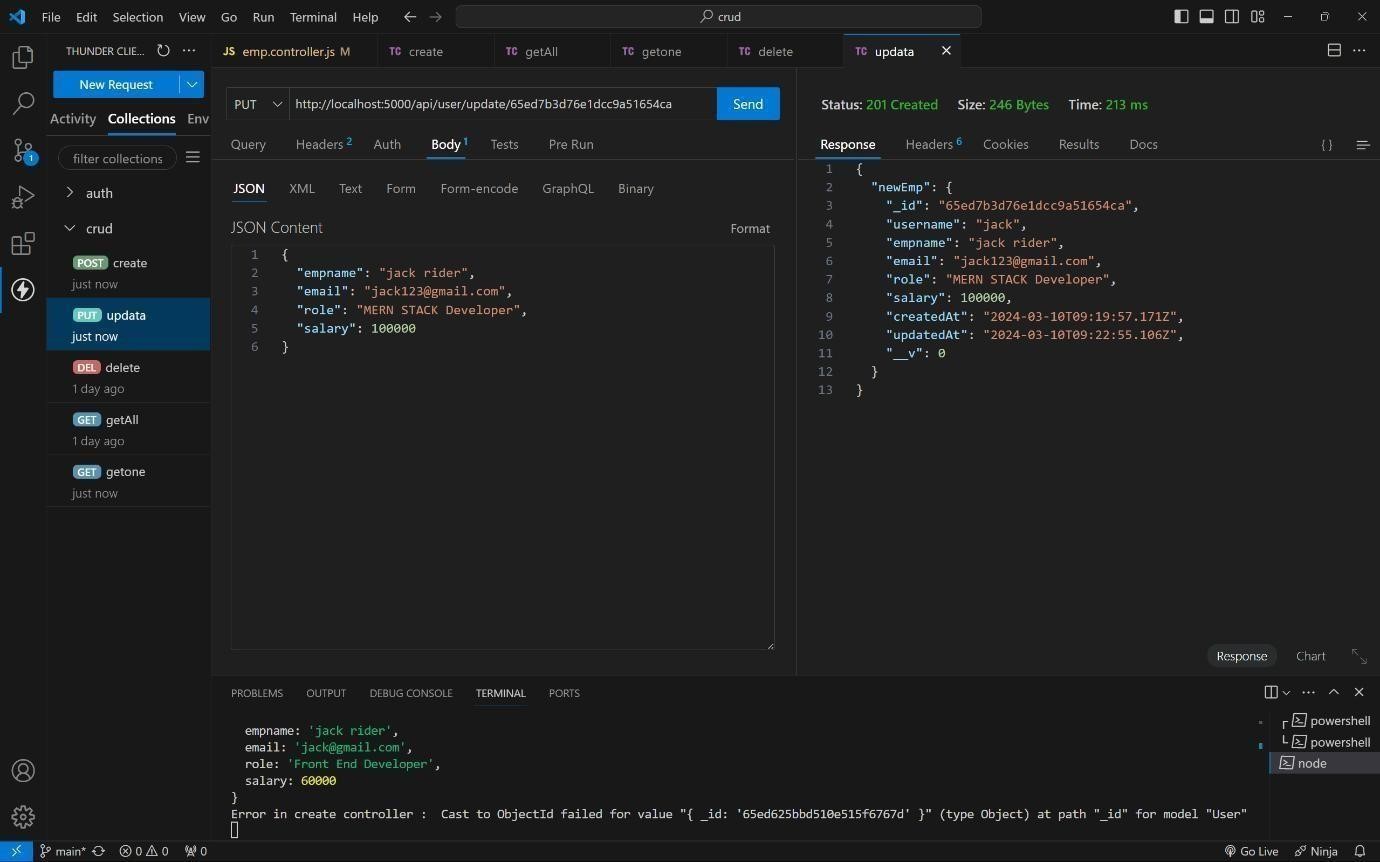
READONE :



READ ALL :



UPDATE :



DELETE :

