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

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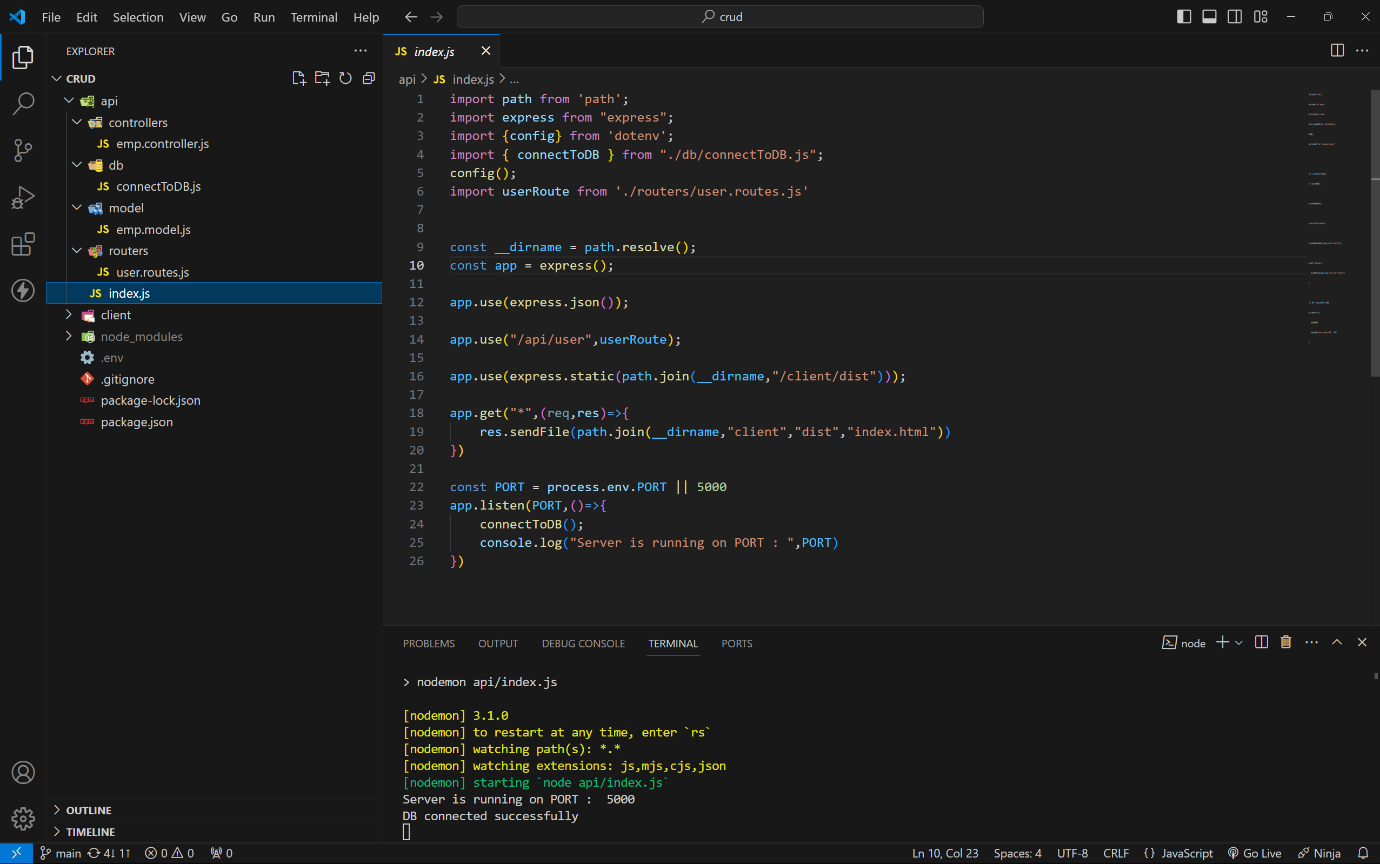
phone no : 9542291328

Roll NO : 20NN1A1269(IT)

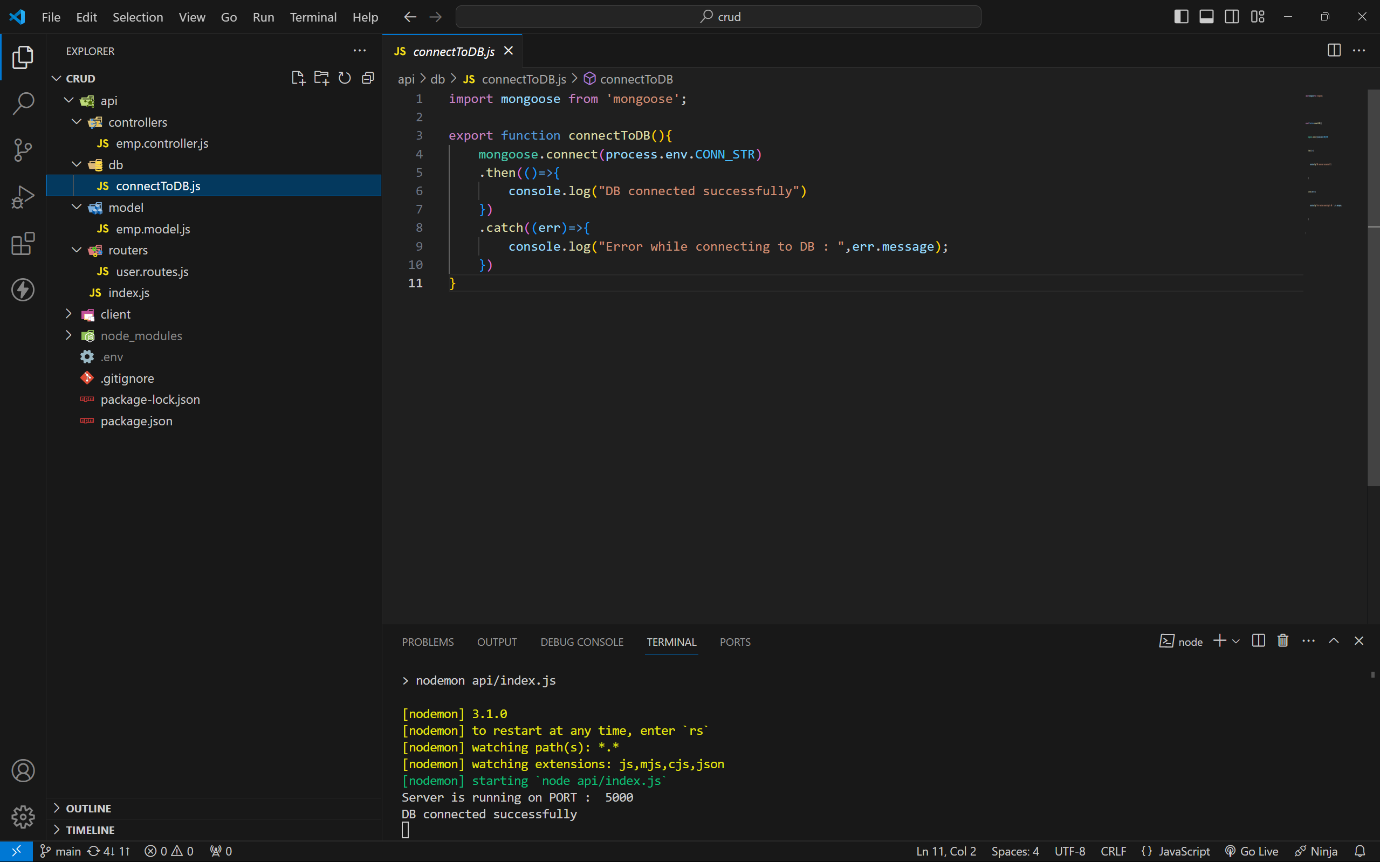
College Name : VNITSW

**source code :**

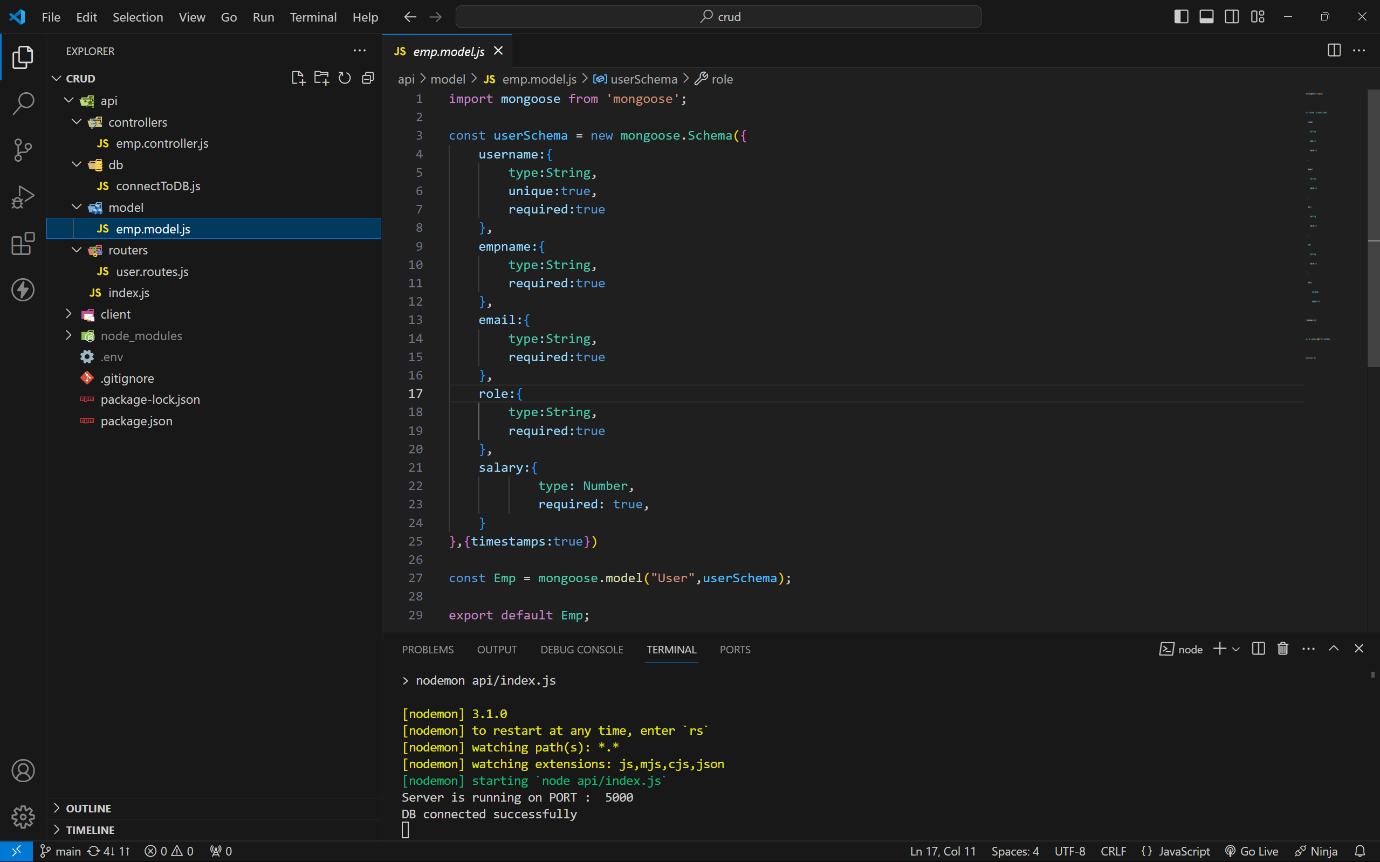
**index.js file :**



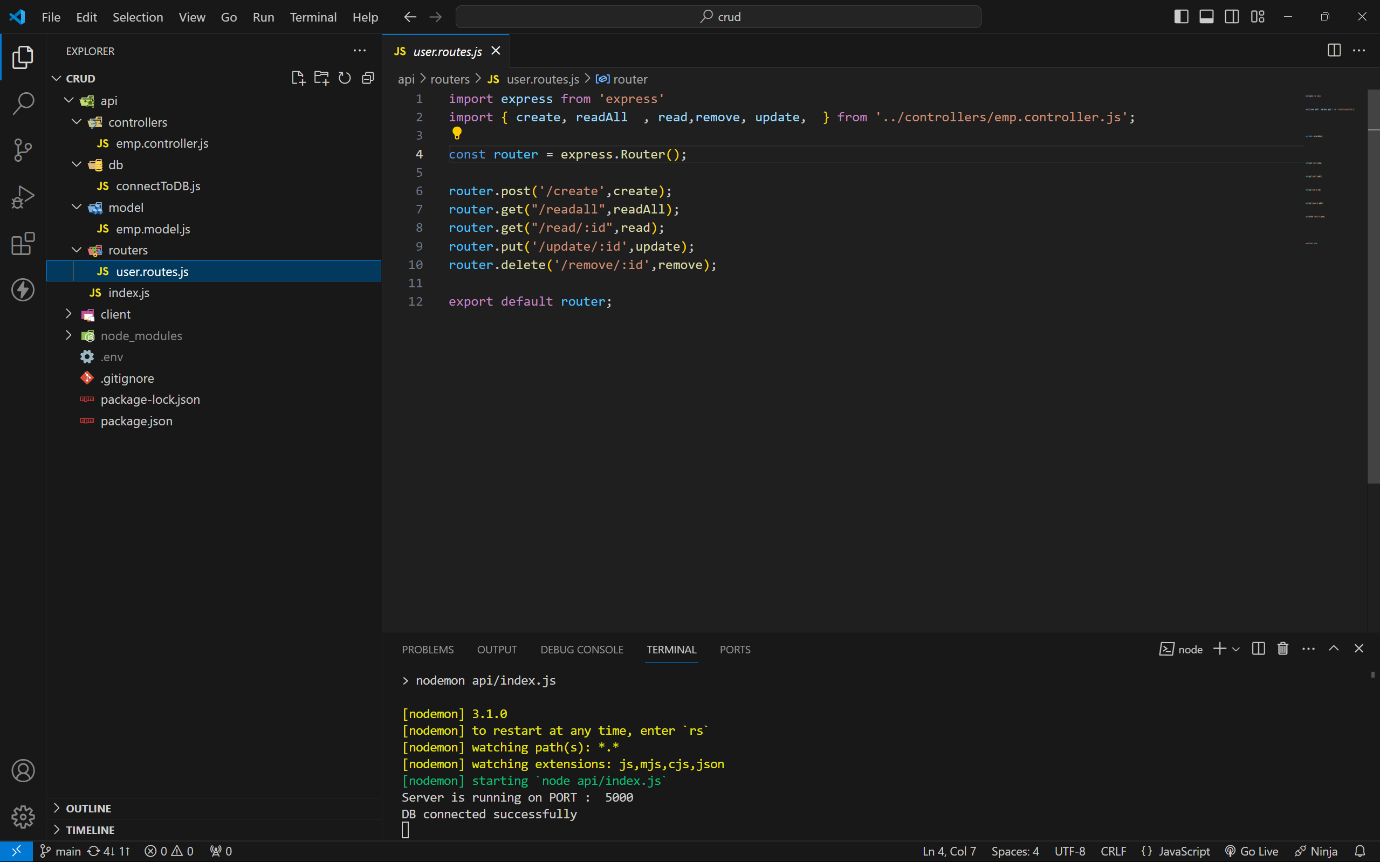
**MONGODB CONNECTION :**



**MODEL :**

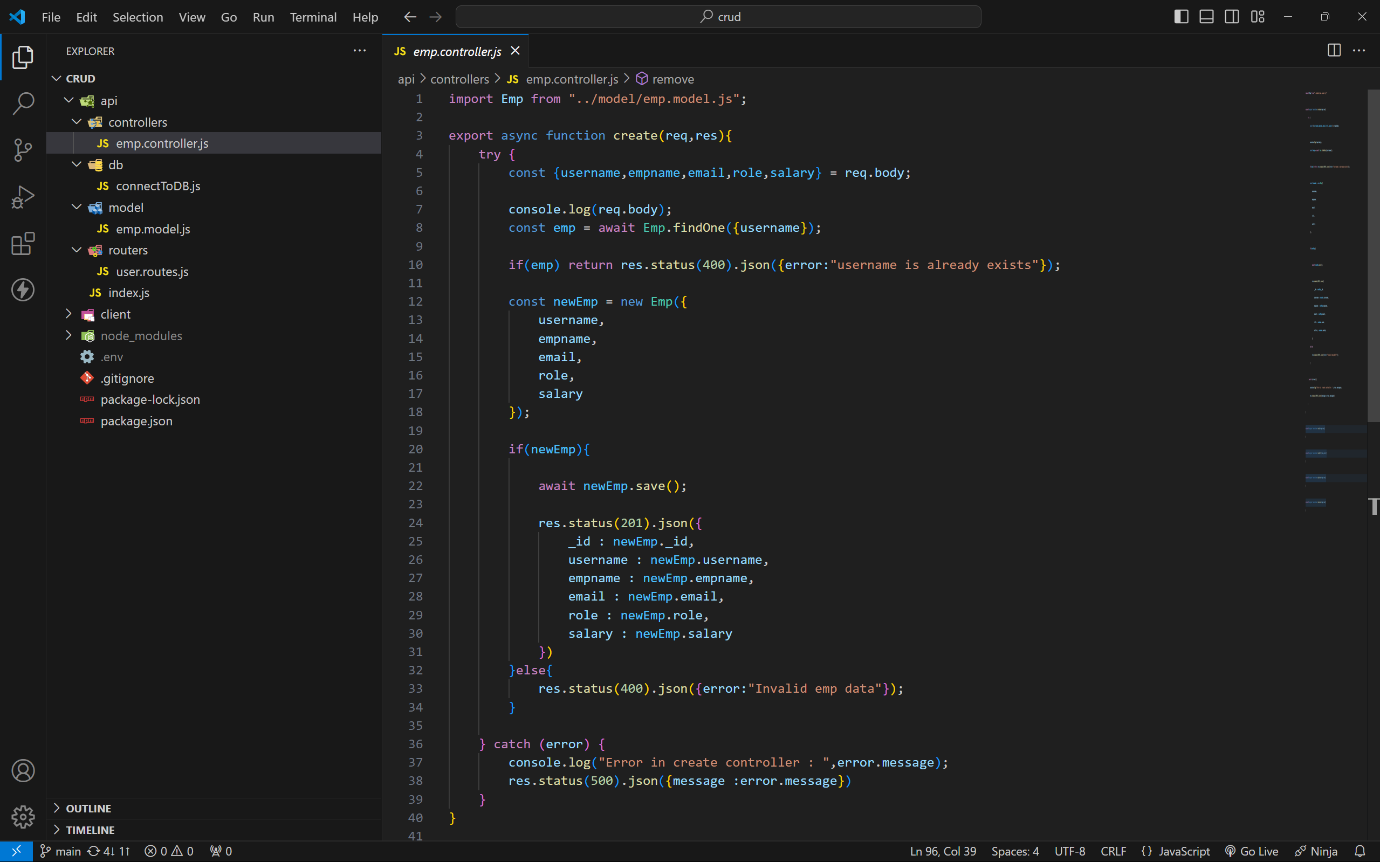


**ROUTES:**

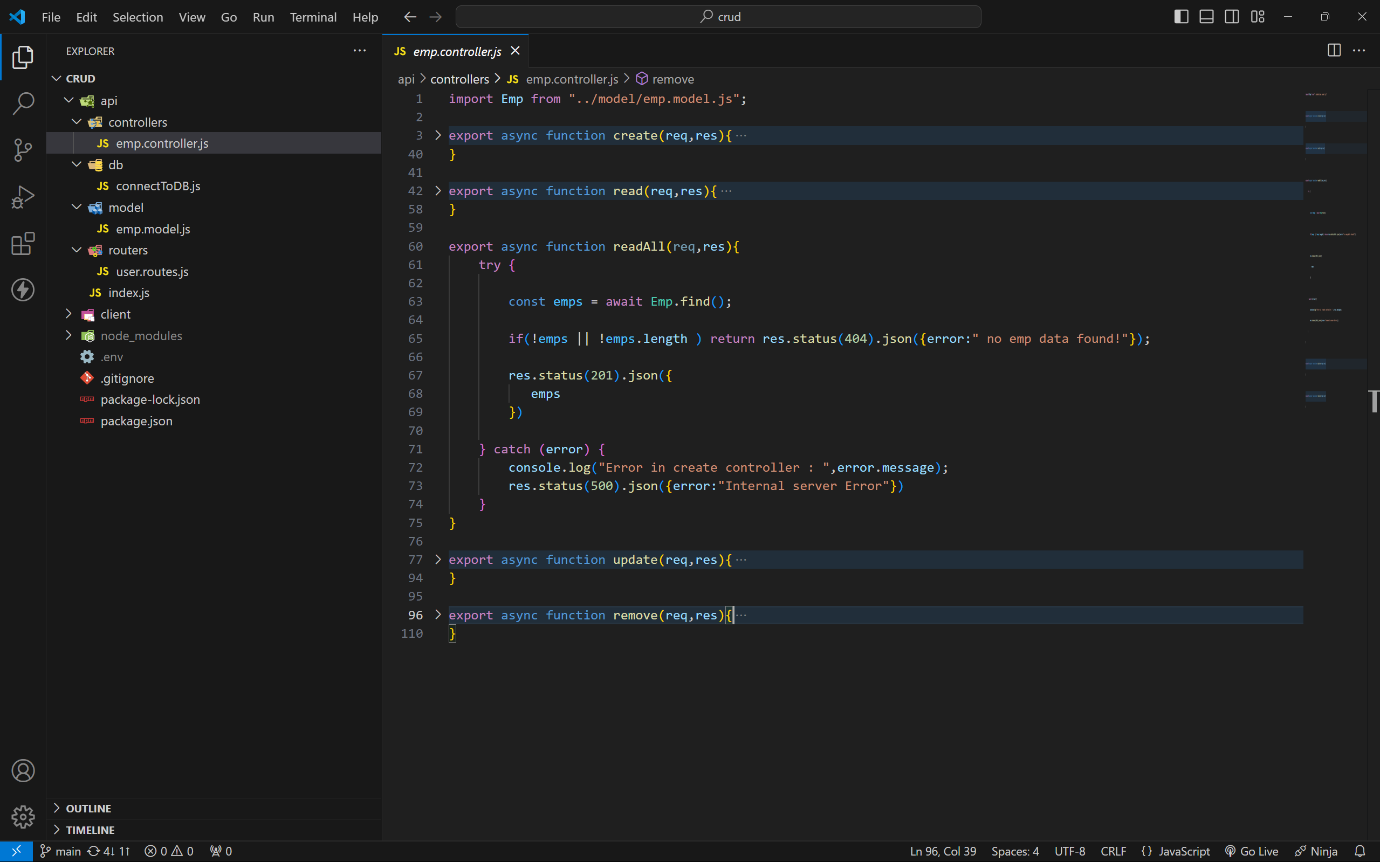


**CONTROLLERS :**

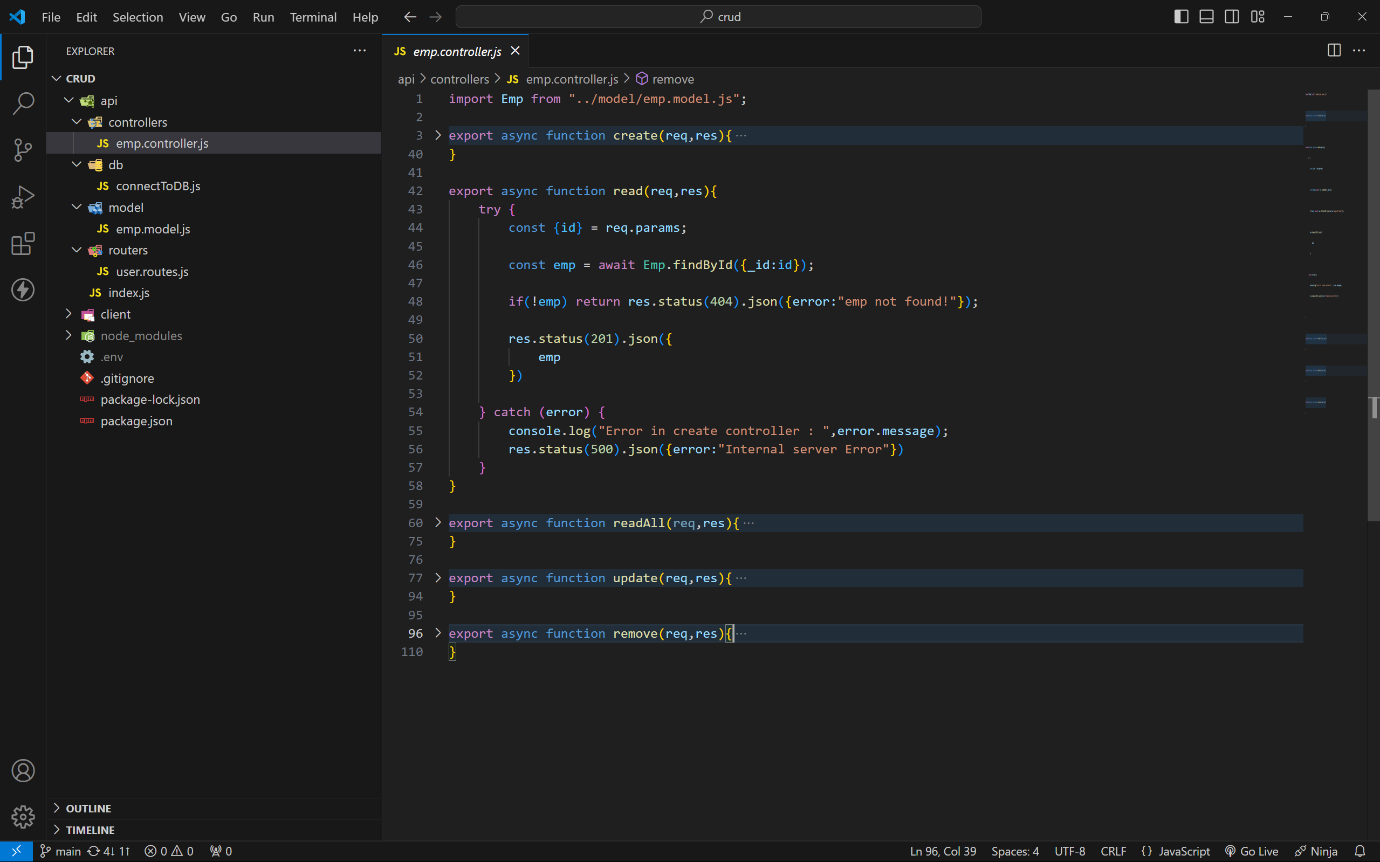
**CREATE :**



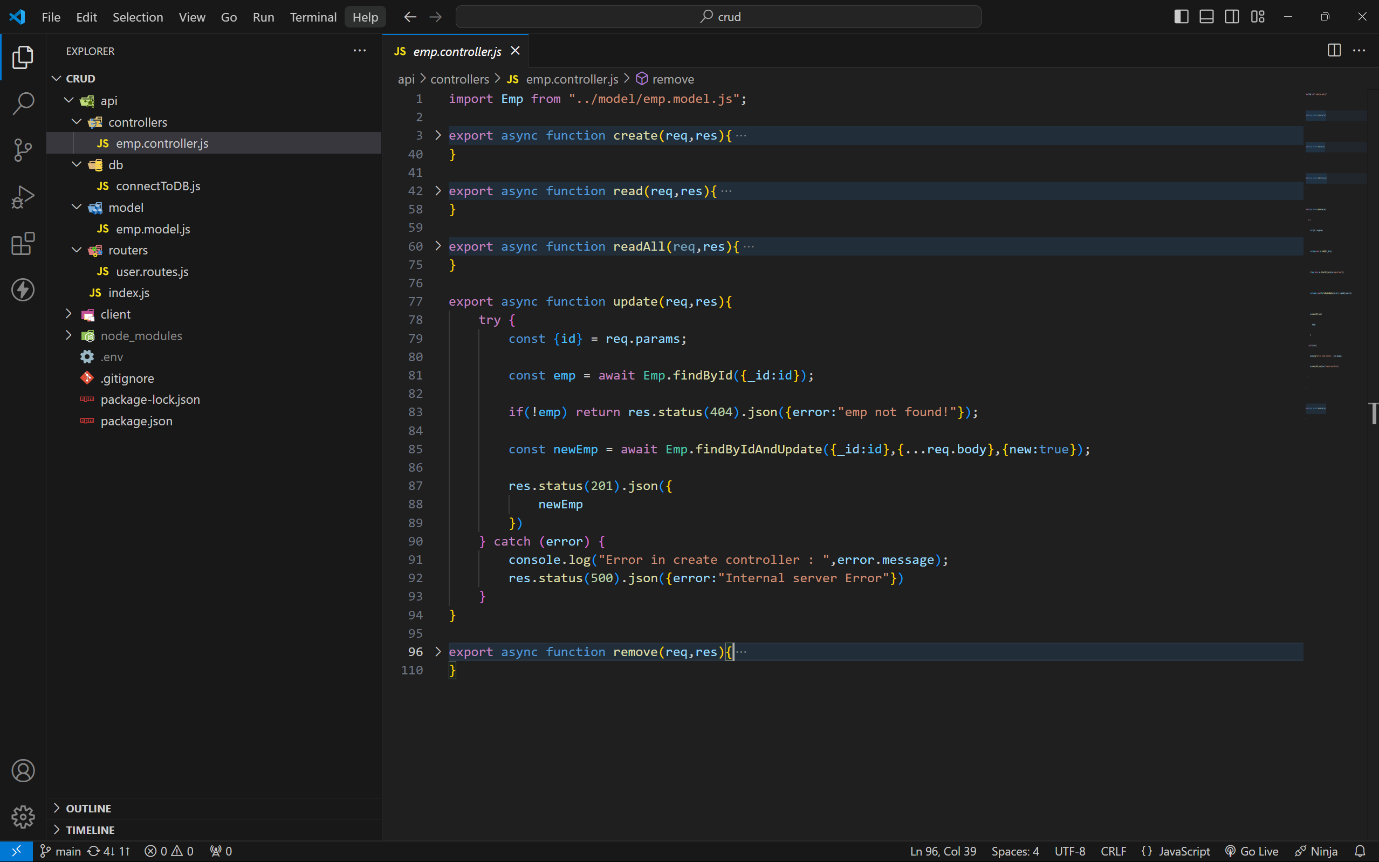
**READALL:**



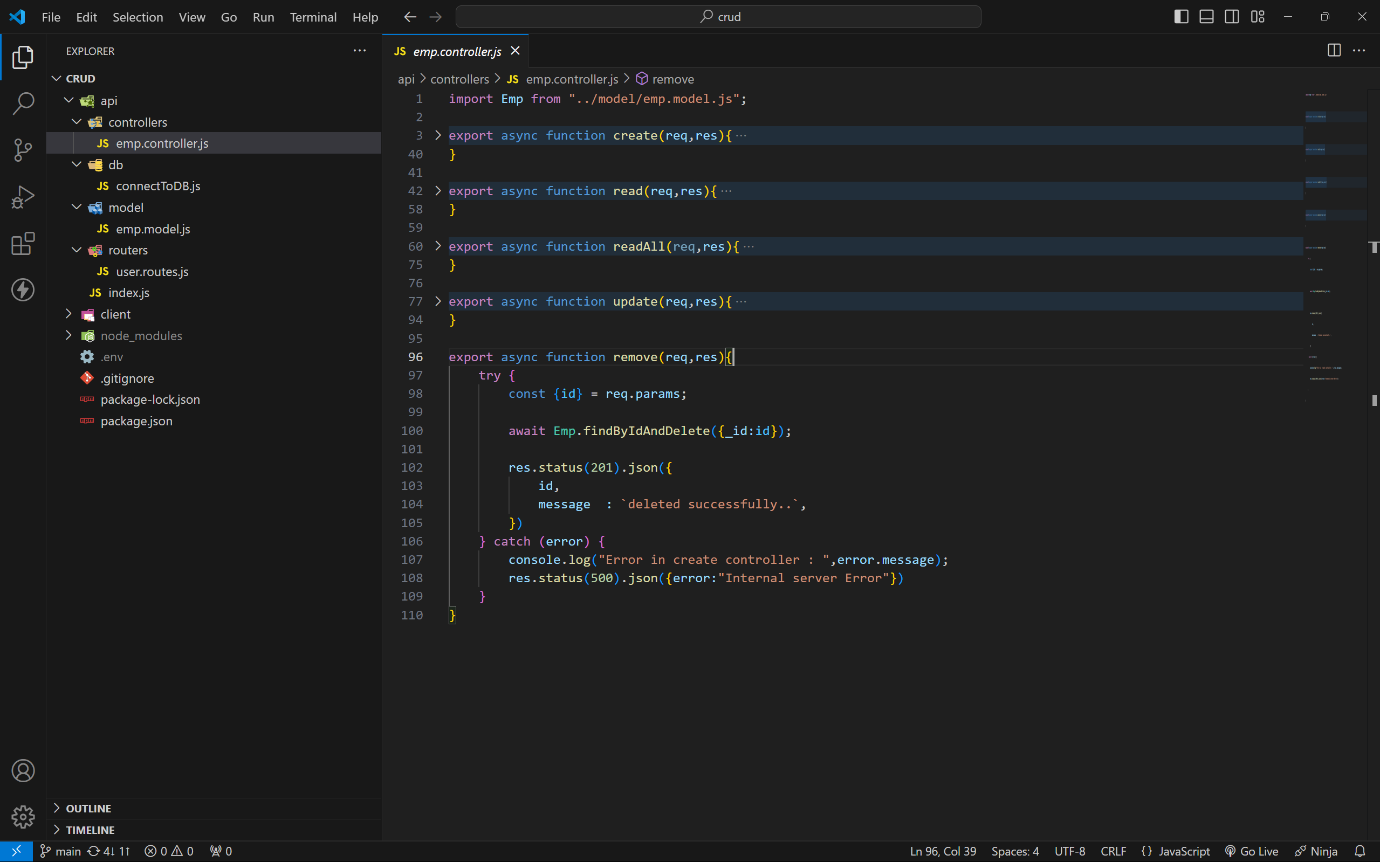
**READONE :**



**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**](https://github.com/4727yesuraju/crud.git)

**5 . Now move to crud folder (cd crud in terminal)**

**6 . Ignore client folder.**

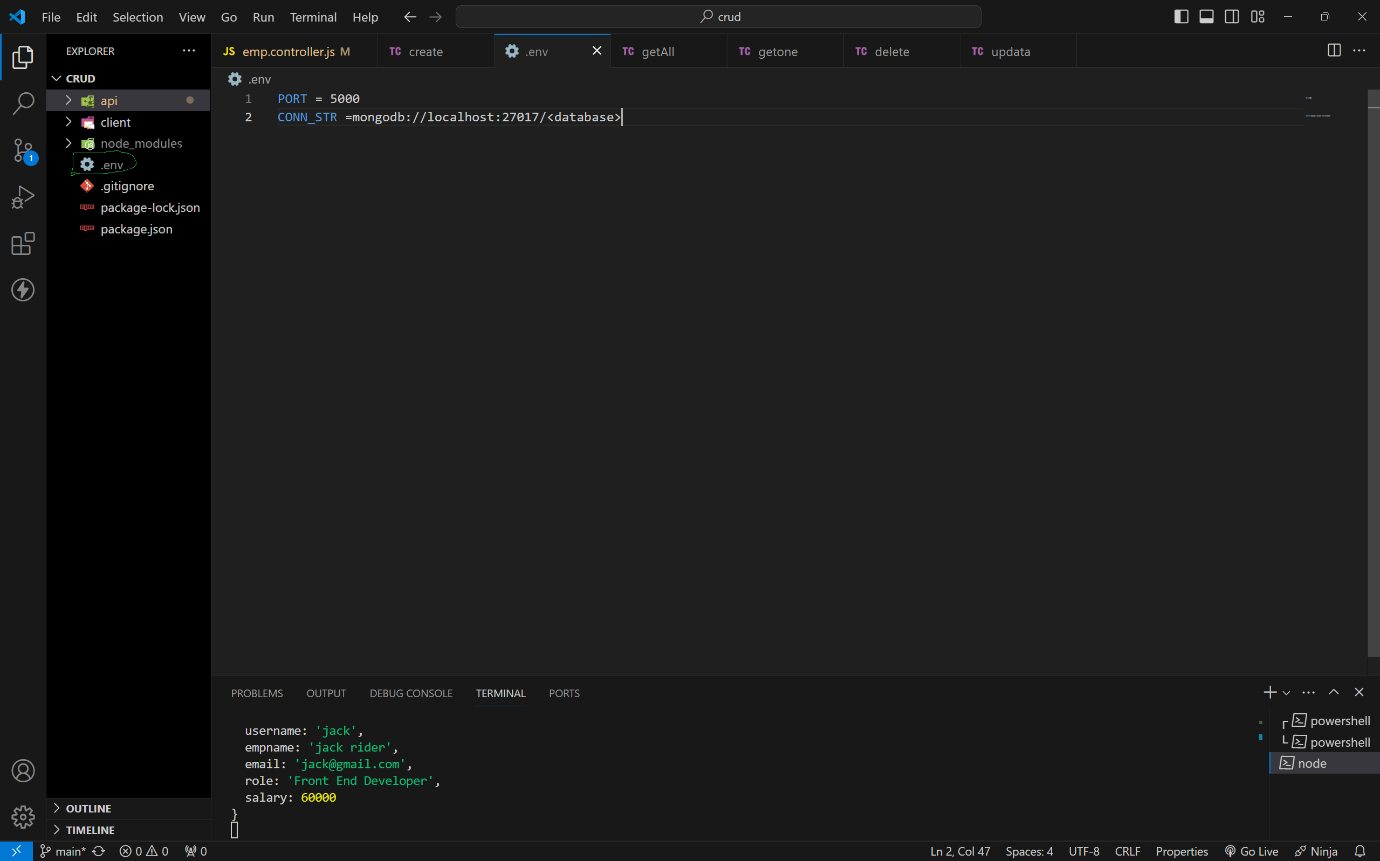
**7 . Here crud is root folder.**

**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

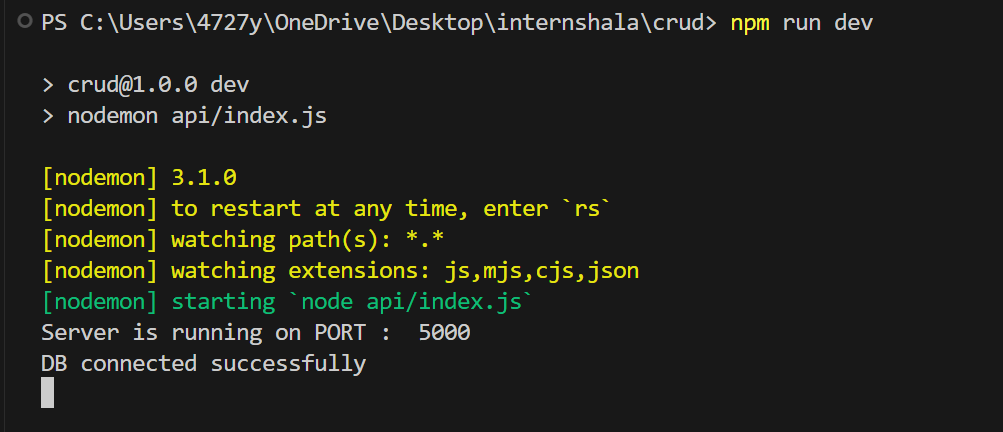
CONN\_STR=mongodb+srv://4727yesuraju:rough@cluster0.wbclvtg.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0

**9 . 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)**

**10 . 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**

**}**

**3 . 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

**2 . 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

**2 . 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.**

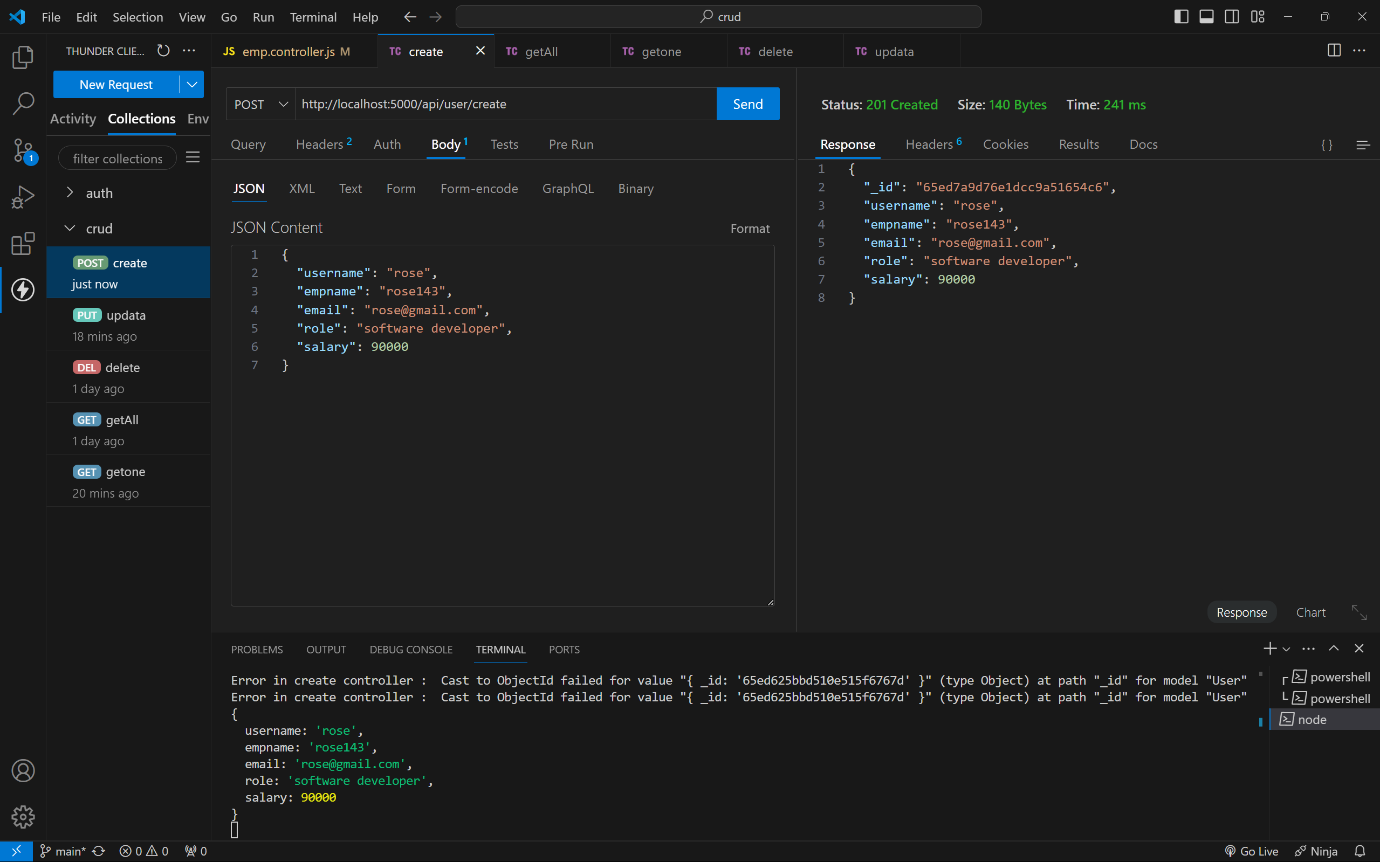
**method as delete**

**url as** http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

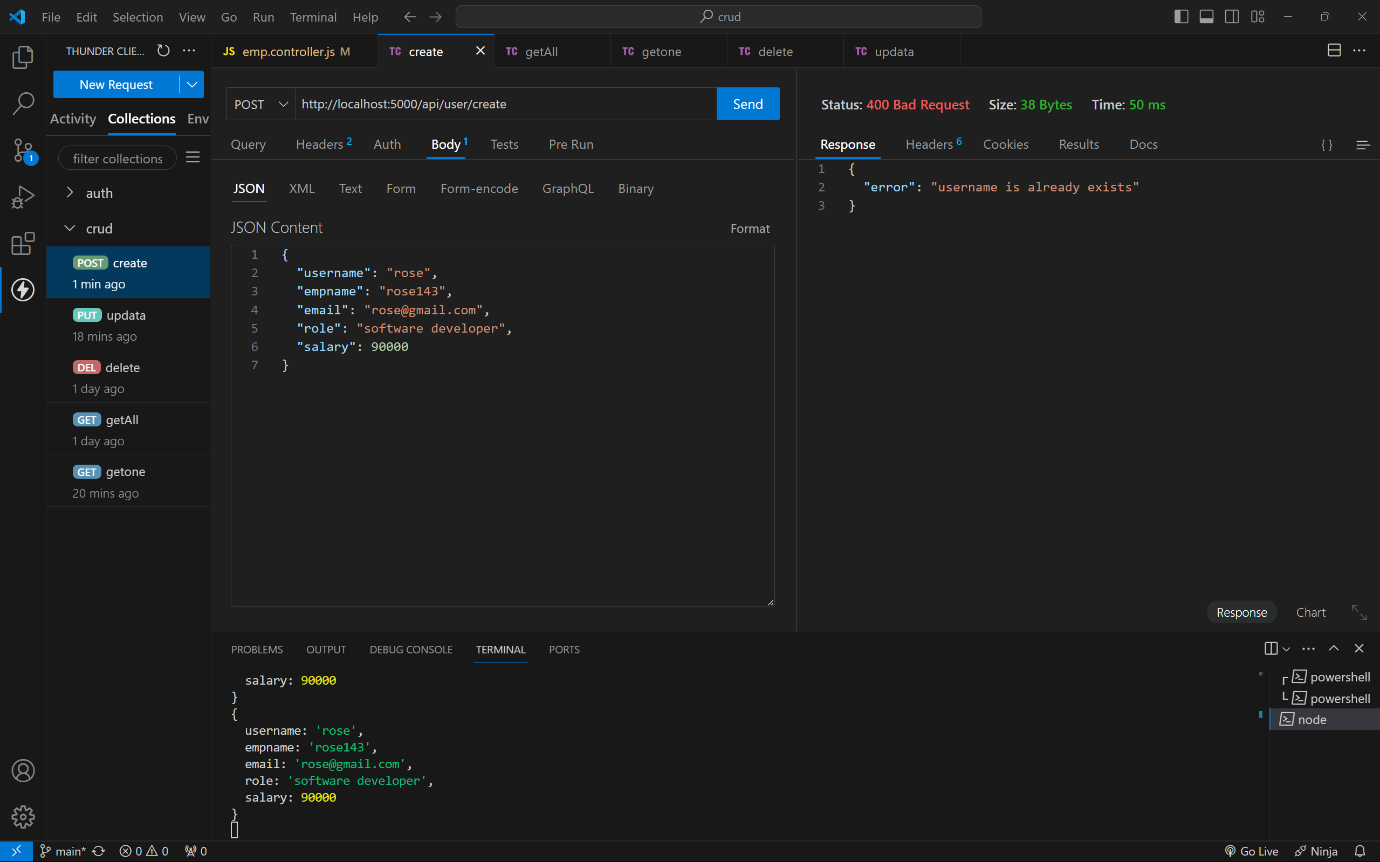
**2 . After sending you will deleted successfully as response.**

**OUTPUT :**

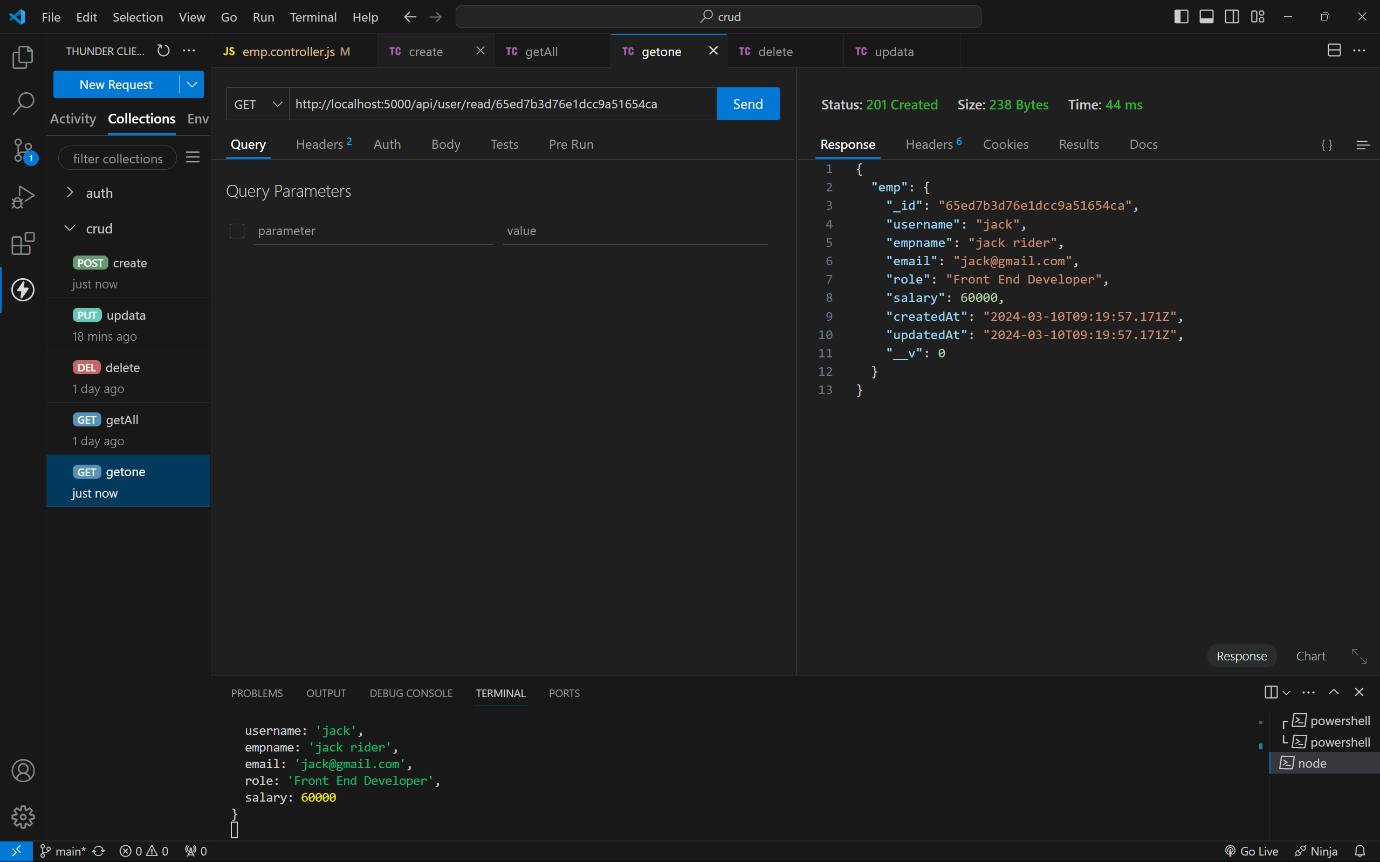
**CREATE A NEW USER :**



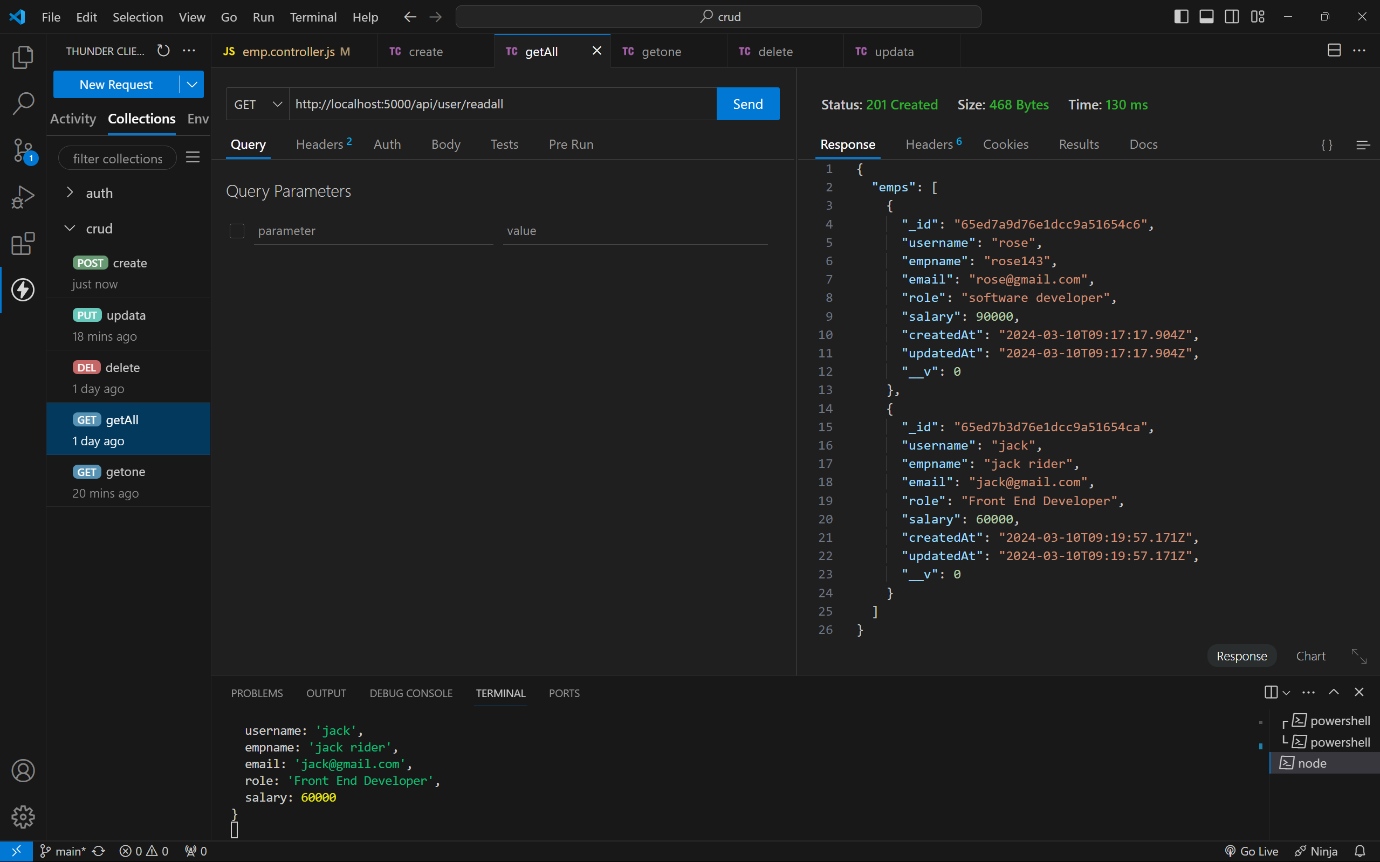
**CREATING USER WITH EXISTING USERNAEM :**



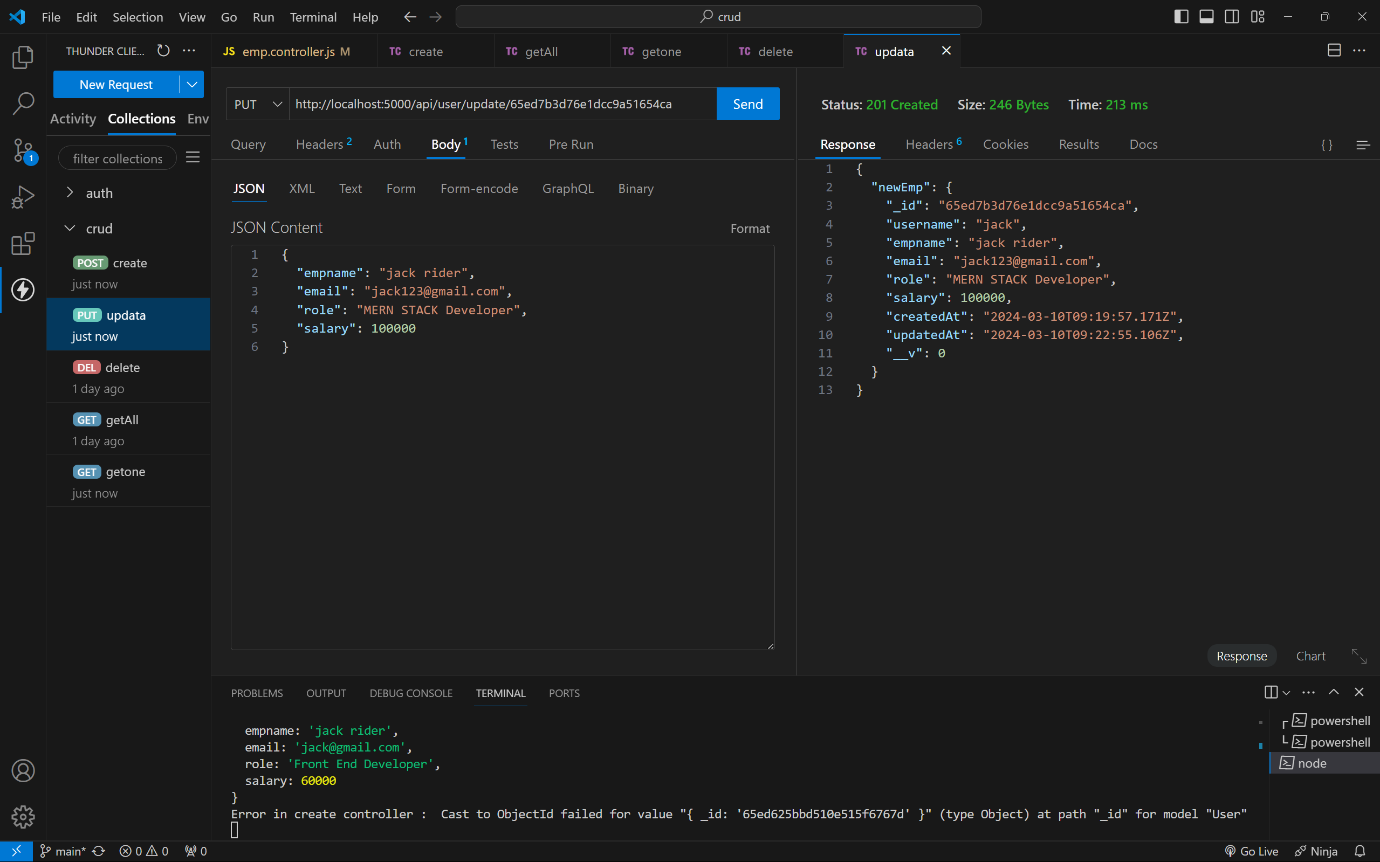
**READONE :**



**READ ALL :**



**UPDATE :**



**DELETE :**

