CreatingaRESTfulAPIusing express.js and creating a database and index in MongoDB.

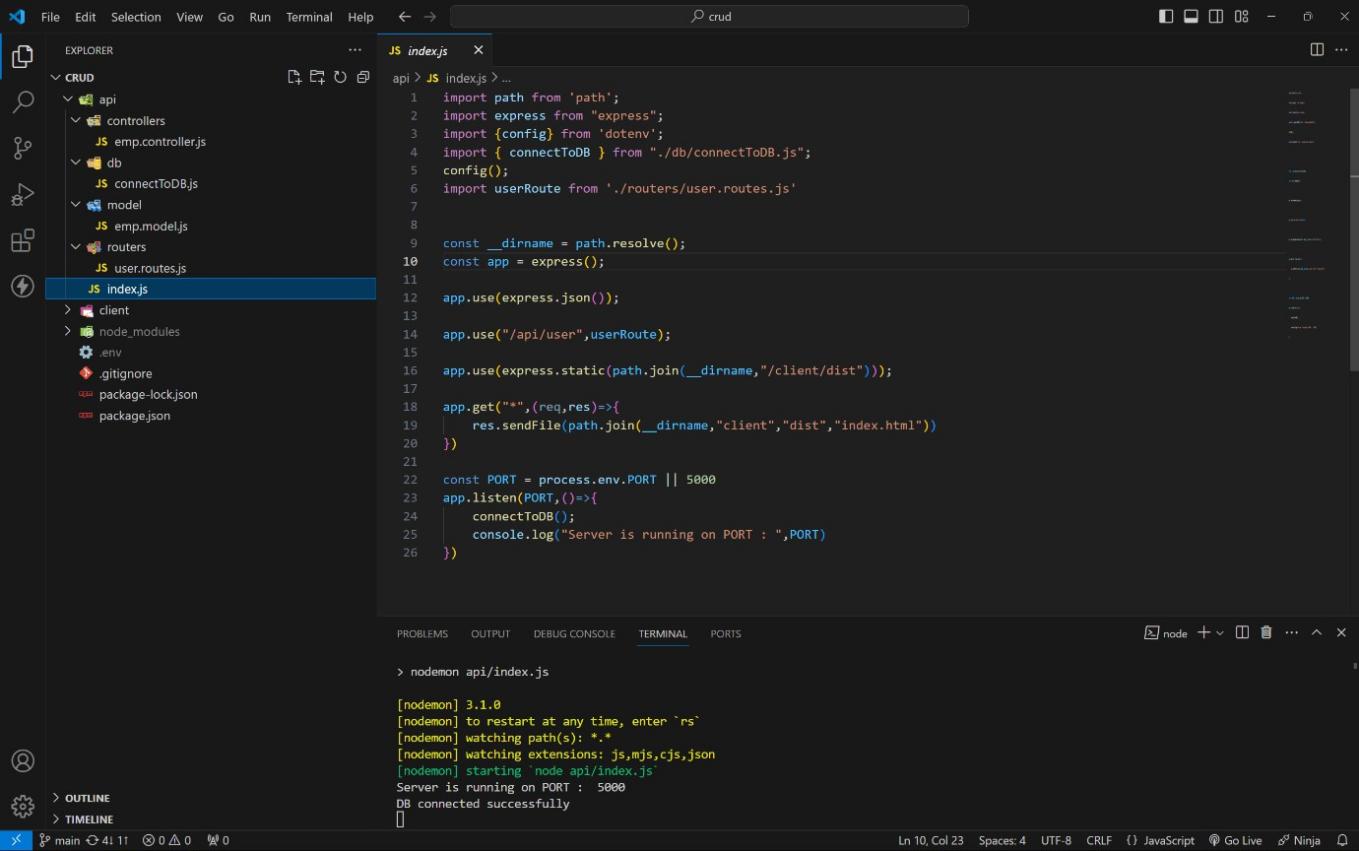
Name : Dulla Venkateswararao

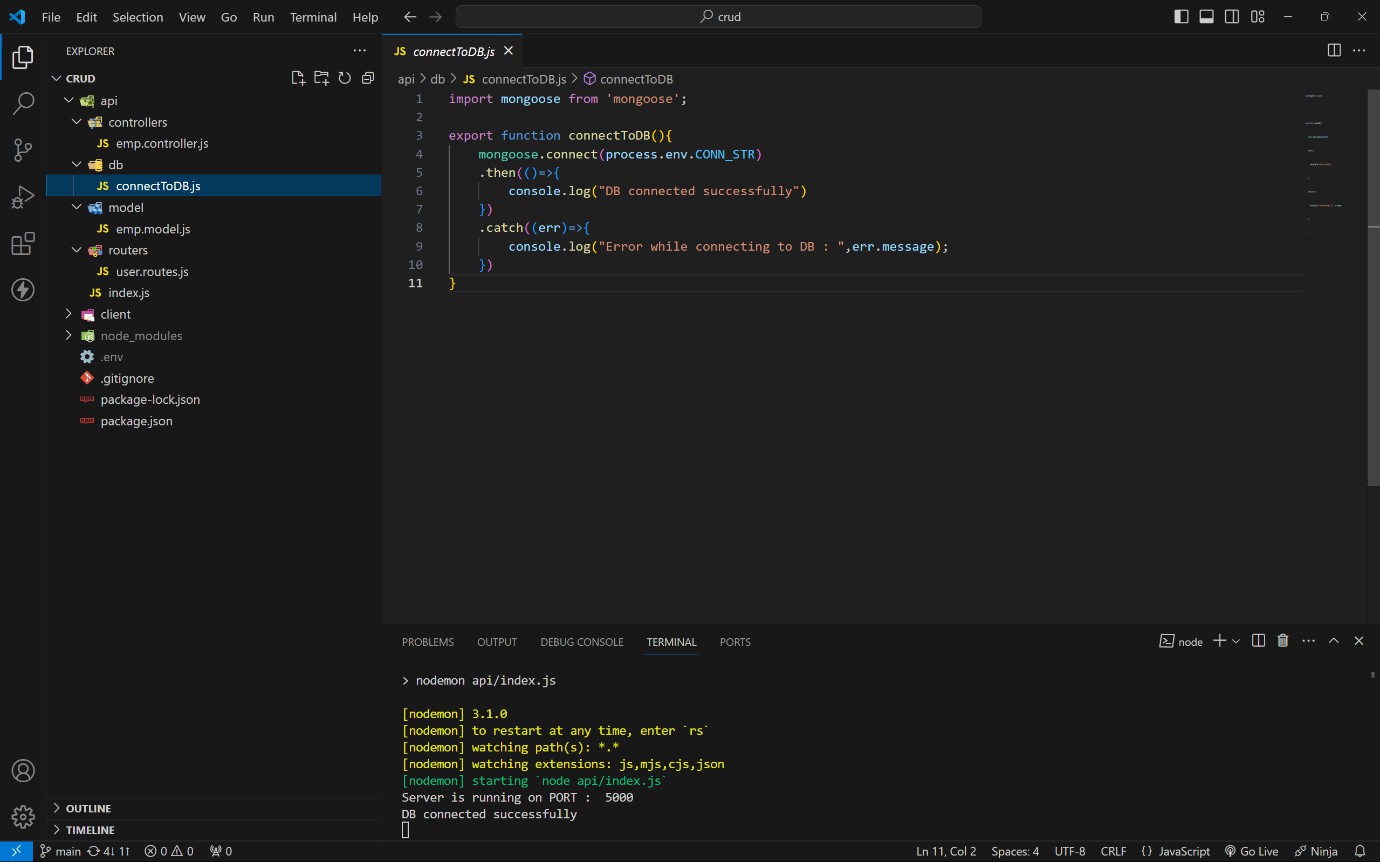
Email : [venkatesweraraodulla@gmail.com](mailto:venkatesweraraodulla@gmail.com)

College: Visakha institute of engineering and technology

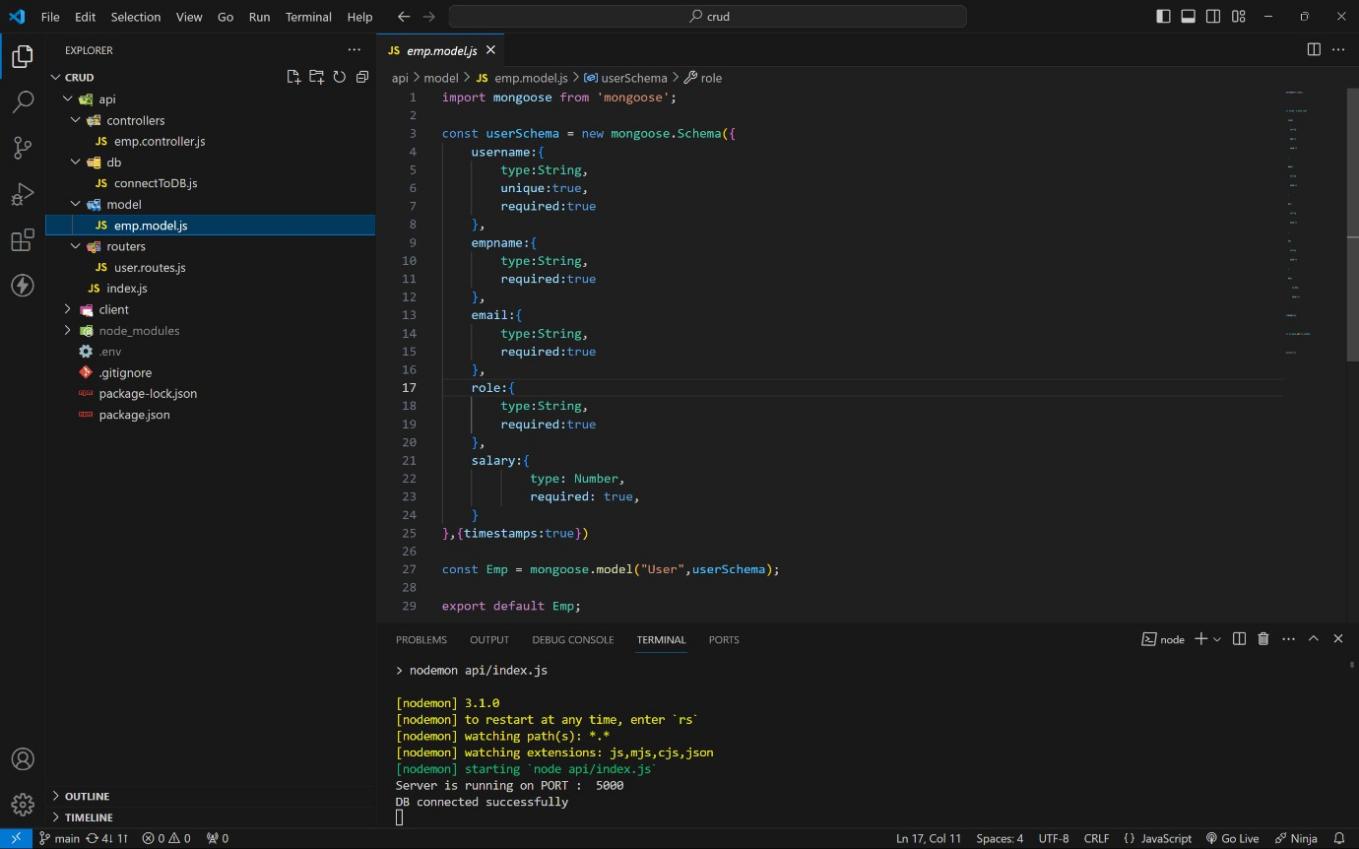
**sourcecode:**

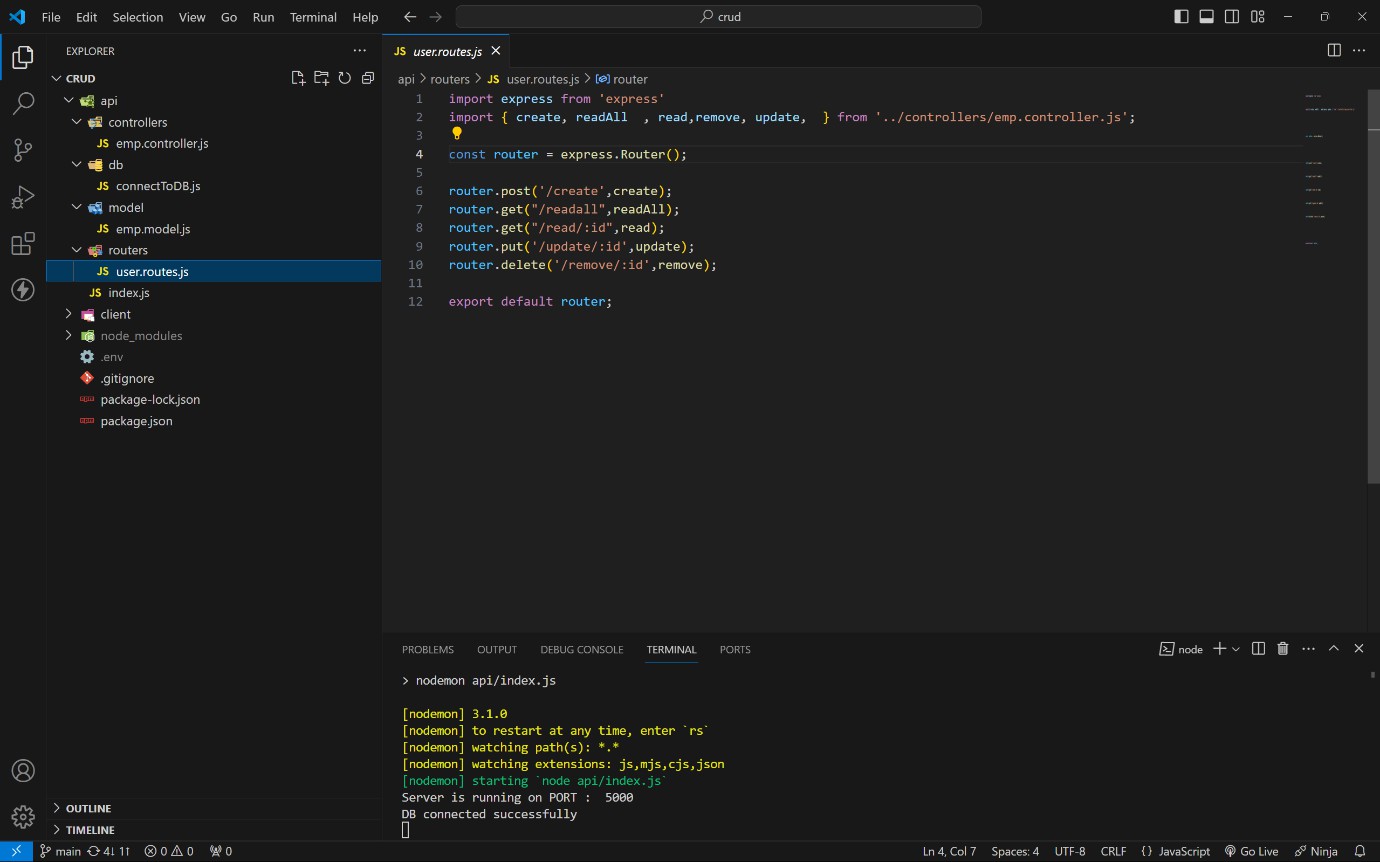
# index.jsfile:



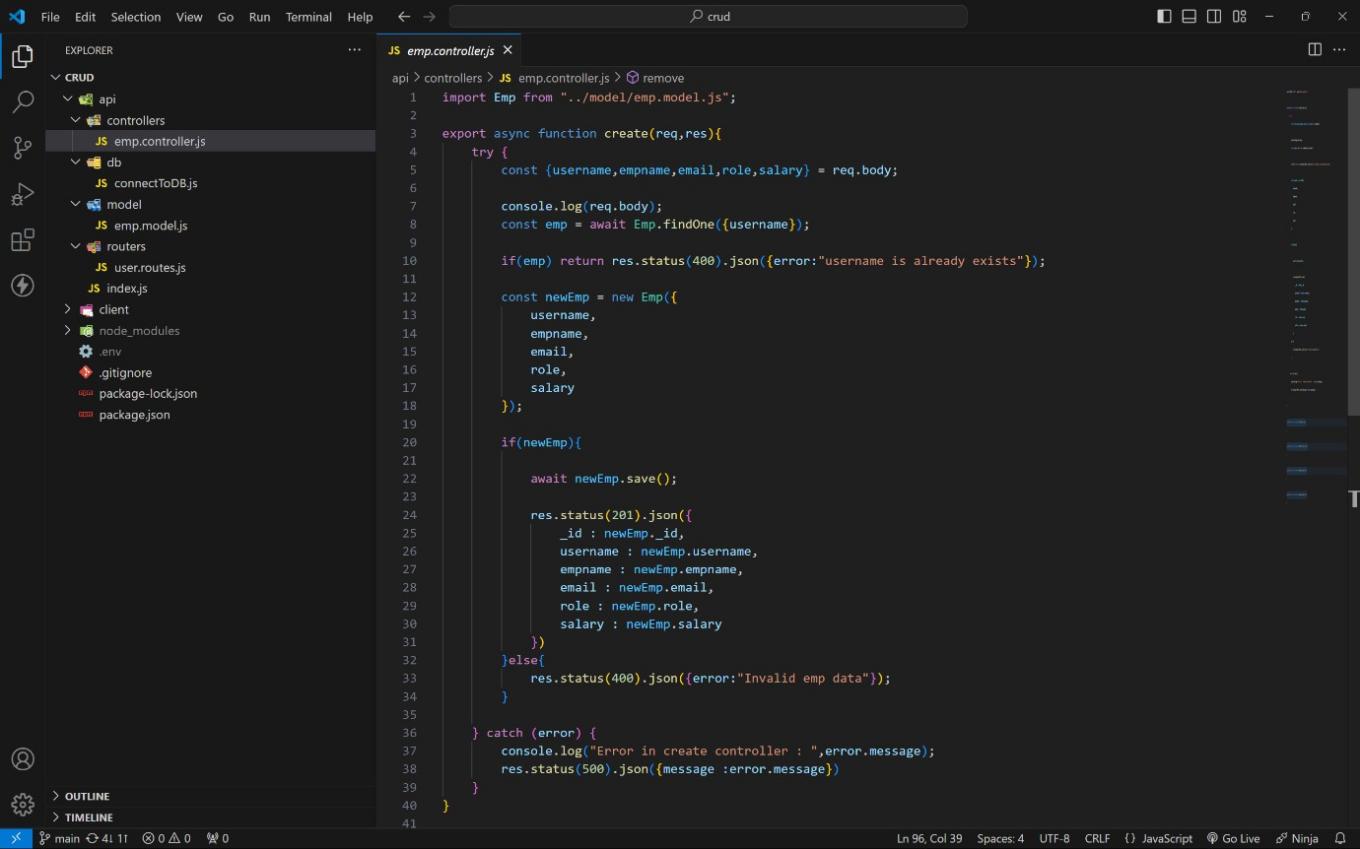


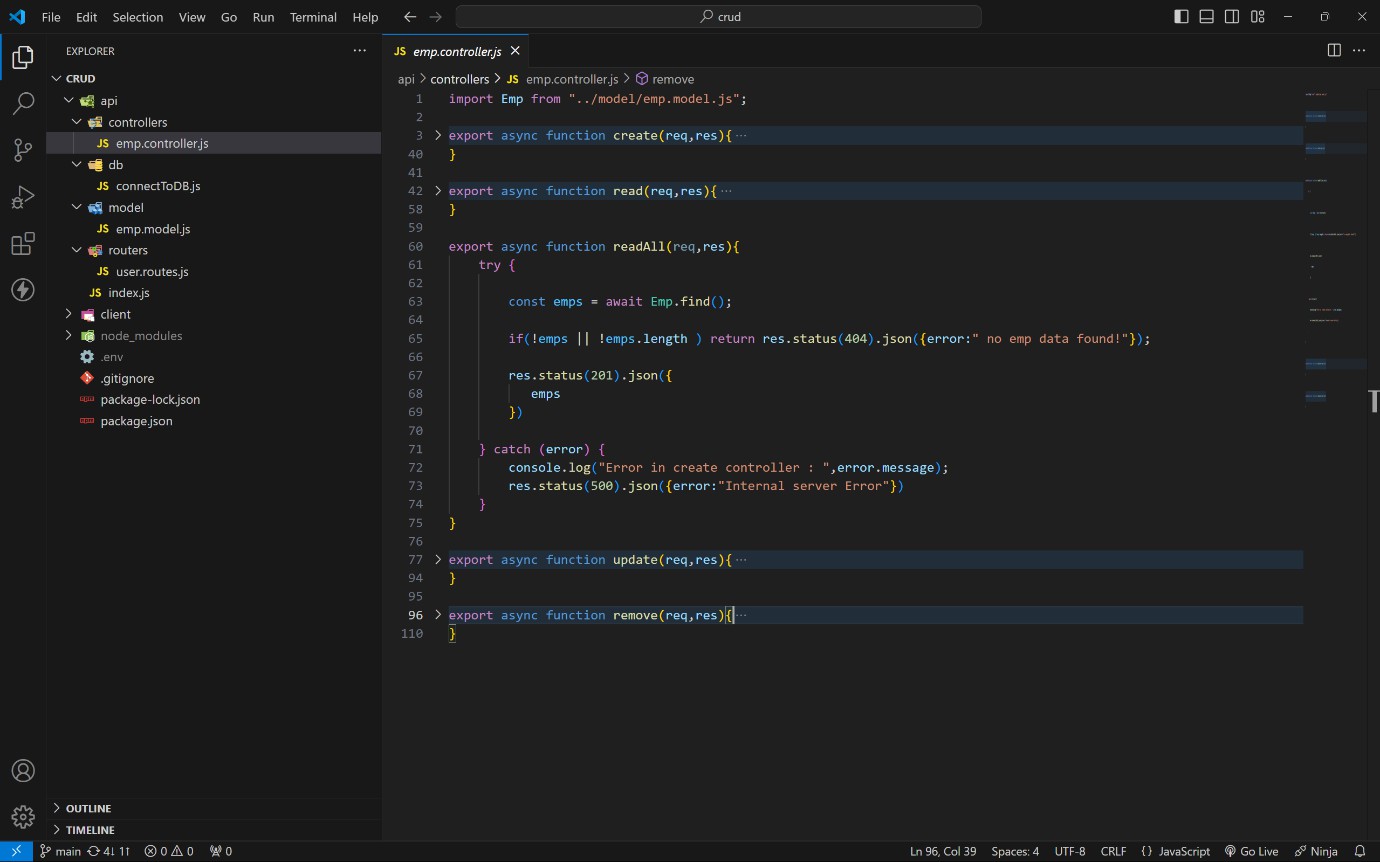
**MODEL:**



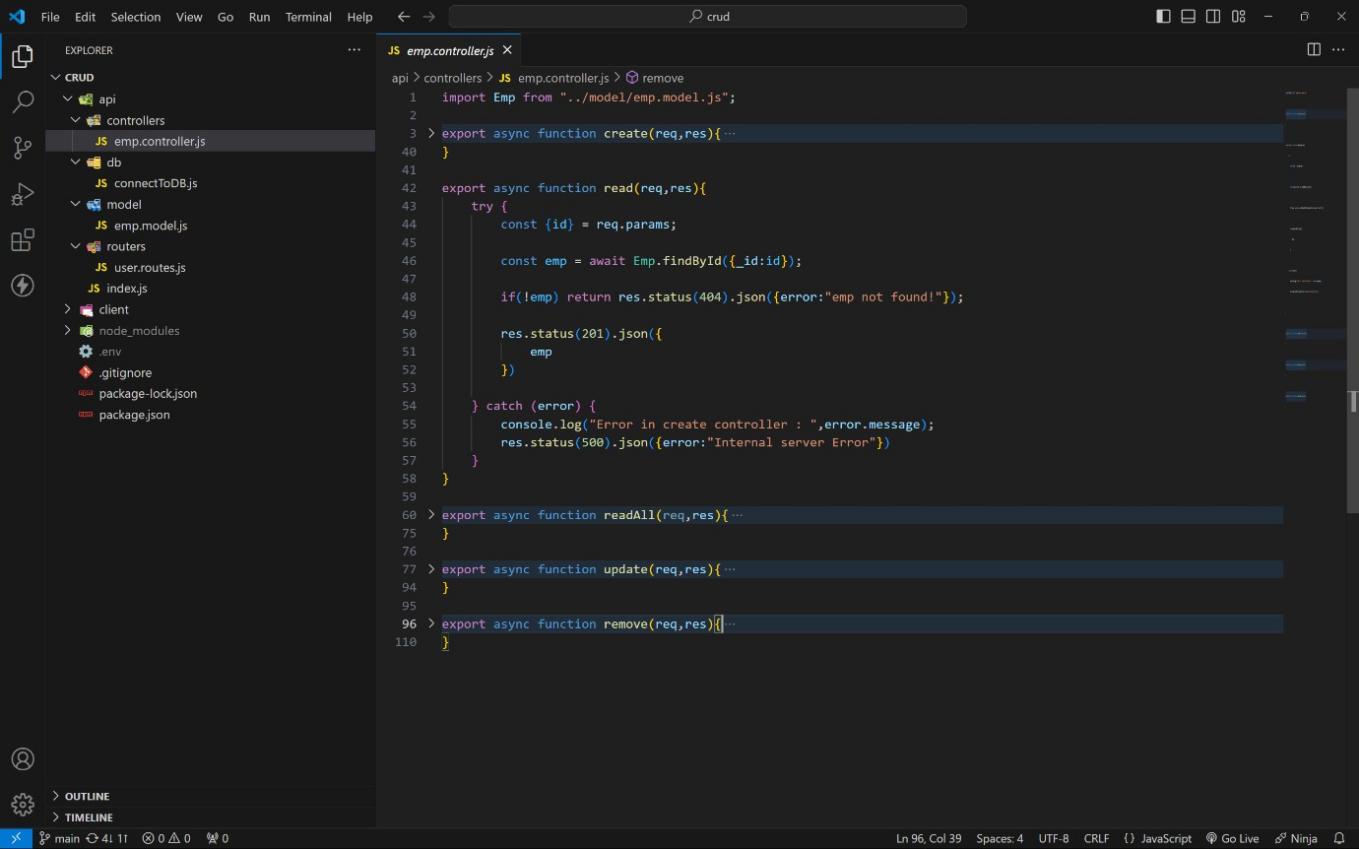


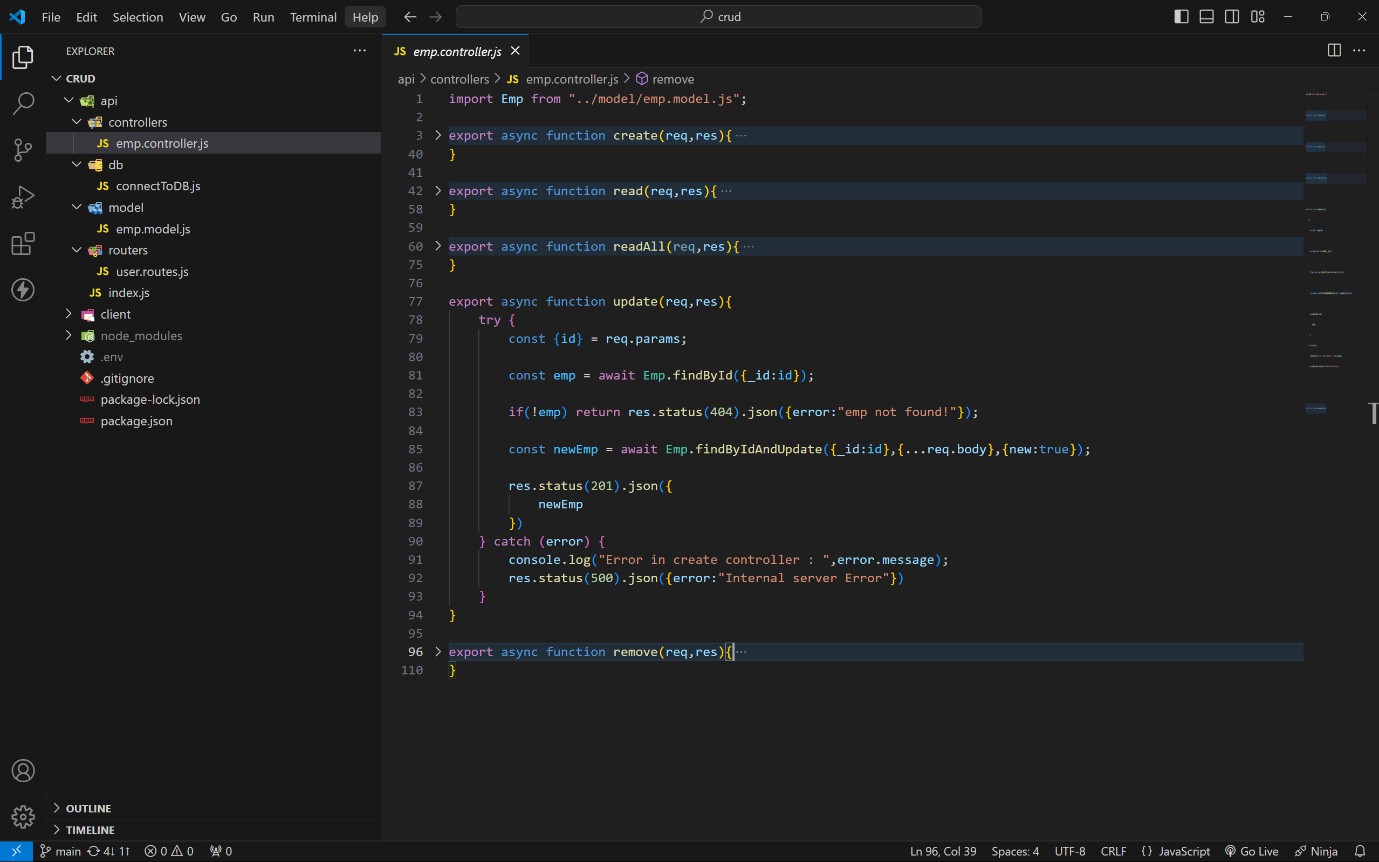
**CONTROLLERS: CREATE :**



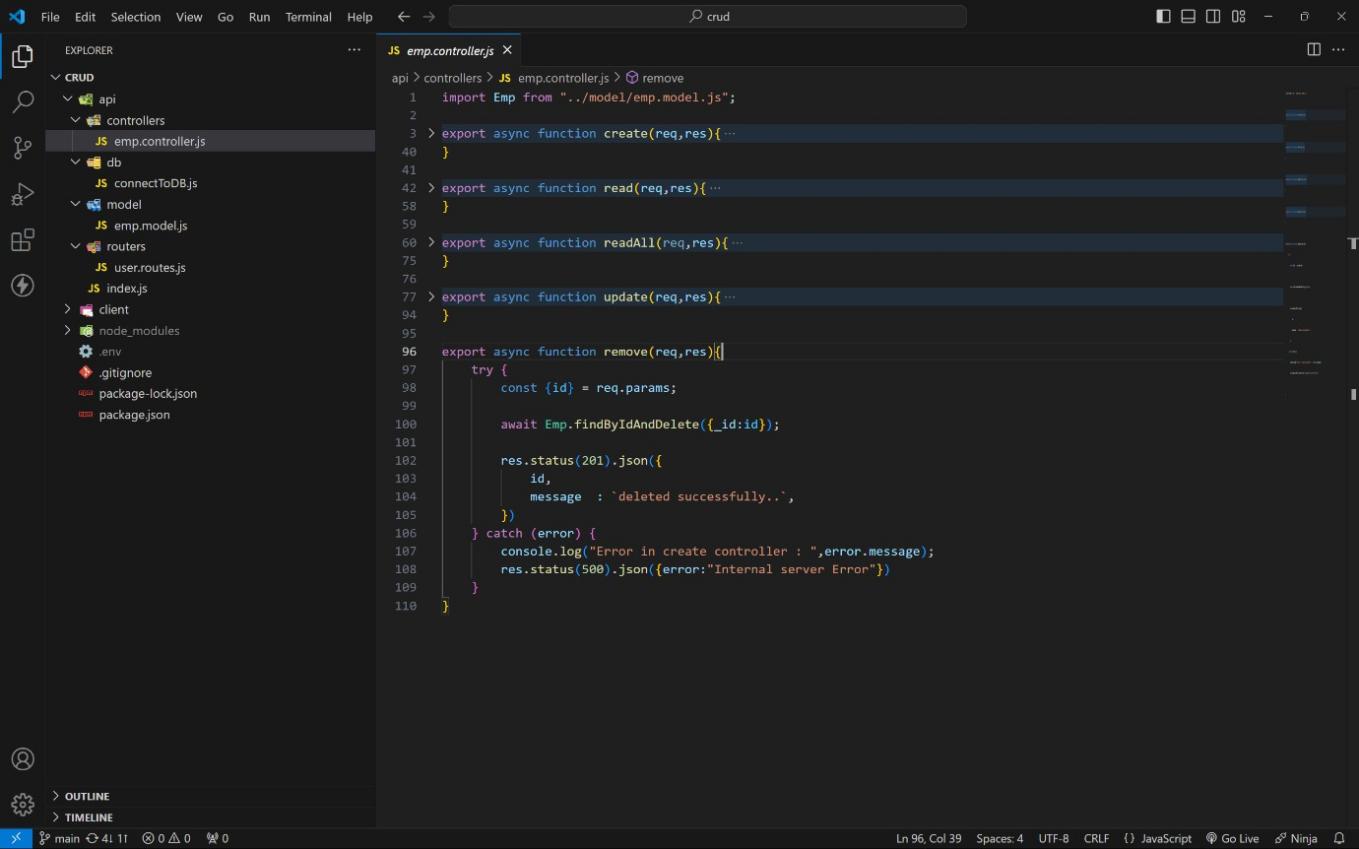


**READONE:**





**DELETE :**



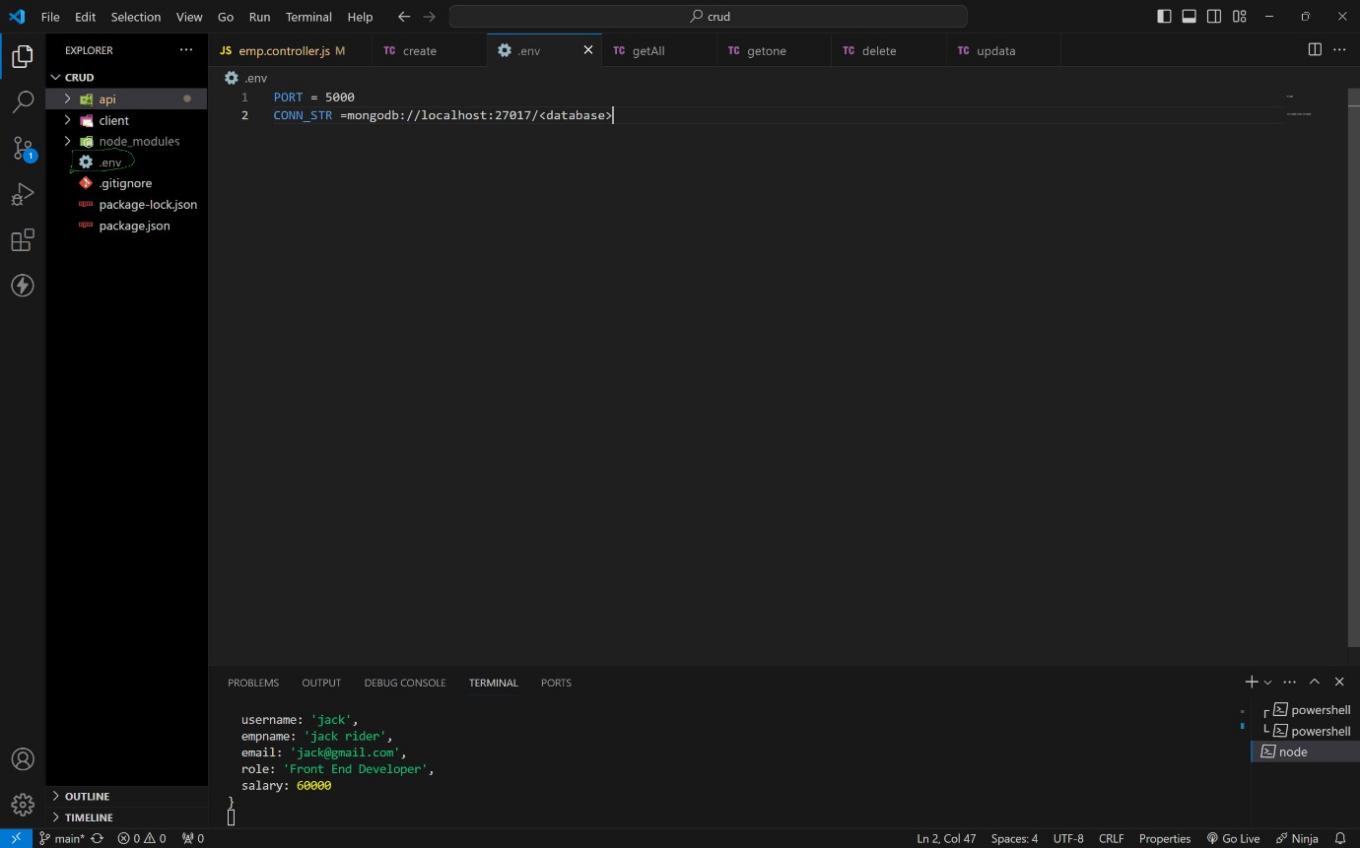
1. **Createafolderasanyname.**
2. **Openthatfolderinanycodeeditor(vscode).**
3. **Openterminal(ctrl+~) oncodeeditor.**
4. **Typethiscodetogetcodelocally.**

gitclone <https://github.com/4727yesuraju/crud.git>

1. **Nowmovetocrudfolder(cdcrudinterminal)**
2. **Ignoreclientfolder.**
3. **Herecrudisrootfolder.**
4. **Inrootfoldercreatea.envfileandcreateaPORTand CONN\_STRvariables and assign value.**

ex:PORT=3000 (commonlyanynumberbetween3000-8080).

CONN\_STR=yourmongodb\_connection\_string.



simplypastethiscodein.envfile.

PORT= 5000

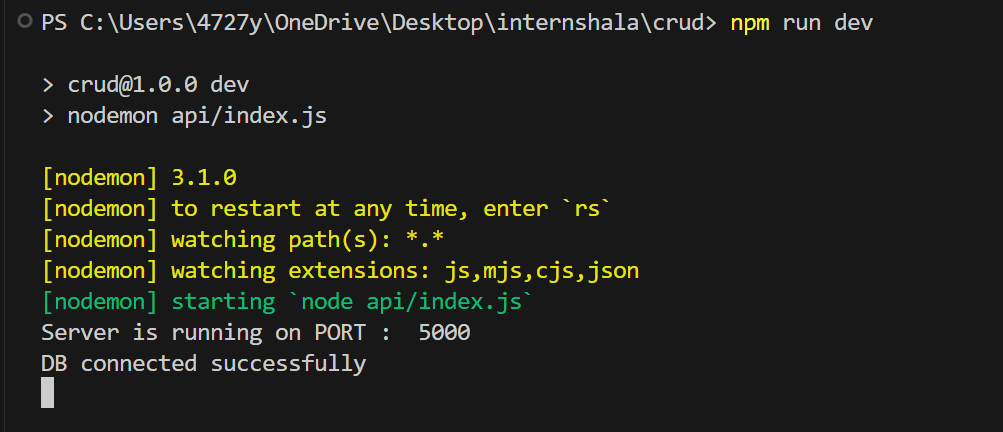
[CONN\_STR=mongodb+srv://4727yesuraju:rough@cluster0.wbclvtg.mongodb.net](mailto:rough@cluster0.wbclvtg.mongodb.net)

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

1. **Afterinterminal(incrudfolderasrootfolder)typethiscommandto run server.**

npmi(installingalldependencies) npm run dev (to run server)

1. **ifyougetbelowmessageinterminalthenyourserverwillrunningsuccessfully.**



**routeanditsfunctionality:**

Forthis useanyAPIusingtoolslikePostmanorThunderClient. i use THUNDER CLIENT.

# CREATEROUTE:

* 1. **Thisrouteisusedtocreatea newemployeeindatabasewitha below fields.**

username,empname,email,role,salary

* 1. **inthunderclientclickonnewrequestandselectthisoptions method as post**

**urlas** http://localhost:5000/api/user/create

passthisjsondataasabodyasyourrequiredvalue.

**{**

**"username": "jack", "empname": "jack rider", "email": "**[**jack@gmail.com**](mailto:jack@gmail.com)**", "role":"FrontEndDeveloper", "salary": 60000**

**}**

* 1. **finallypresssendtoinsertdatainmongodb databaseandgetainserted**

dataasaresponse.

* 1. **IfuserisalreadyindbitwillreturnUserisalreadyexistas response.**

formoredetailsvisitbelowoutputimages...

**READONE:**

1. **Thisrouteisusedtoreadspecificuserinfobypassingthat userid as a param.**

methodasget

url as

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

1. **Aftersendingyouwillgetthatspecificuserdetailsasresponse.**

**READALL:**

1. **.Readallrouteisusedtogetalltheuserdataexistinginthemongodbdata base .**

methodasget

**urlas** http://localhost:5000/api/user/readall

1. **.Aftersendingyouwillgetthatalluserdetailsasresponse.**

**UPDATE:**

1. **Thisrouteisusedto updatespecificuserbypassingthatuseridas a param.**

methodasput

url as

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

1. **Aftersendingyouwillgetupdateduserdetailsasresponse.**

**DELETE:**

1. **Thisrouteisusedtodeletespecificuserbypassingthatuseridas a param.**

methodasdelete

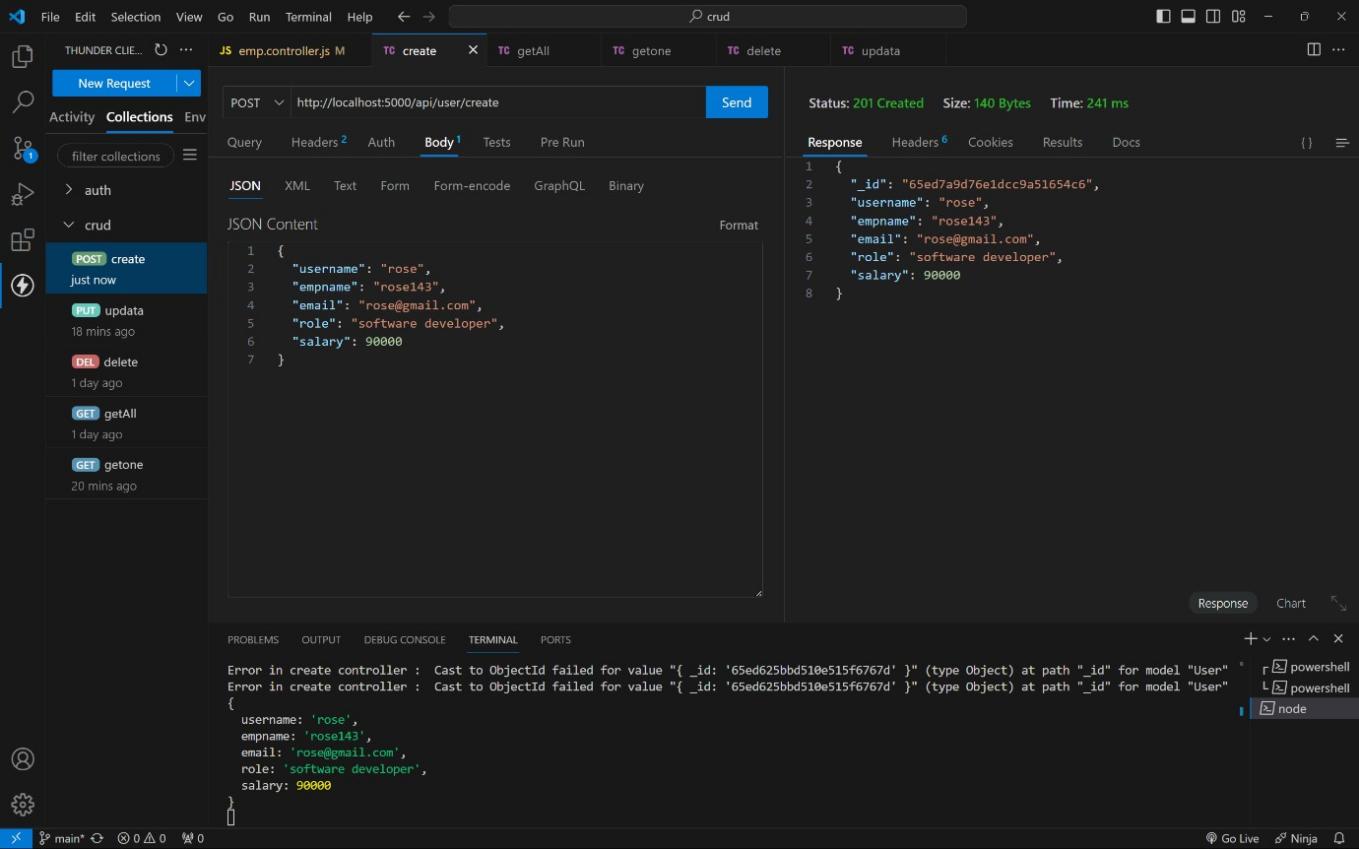
url as

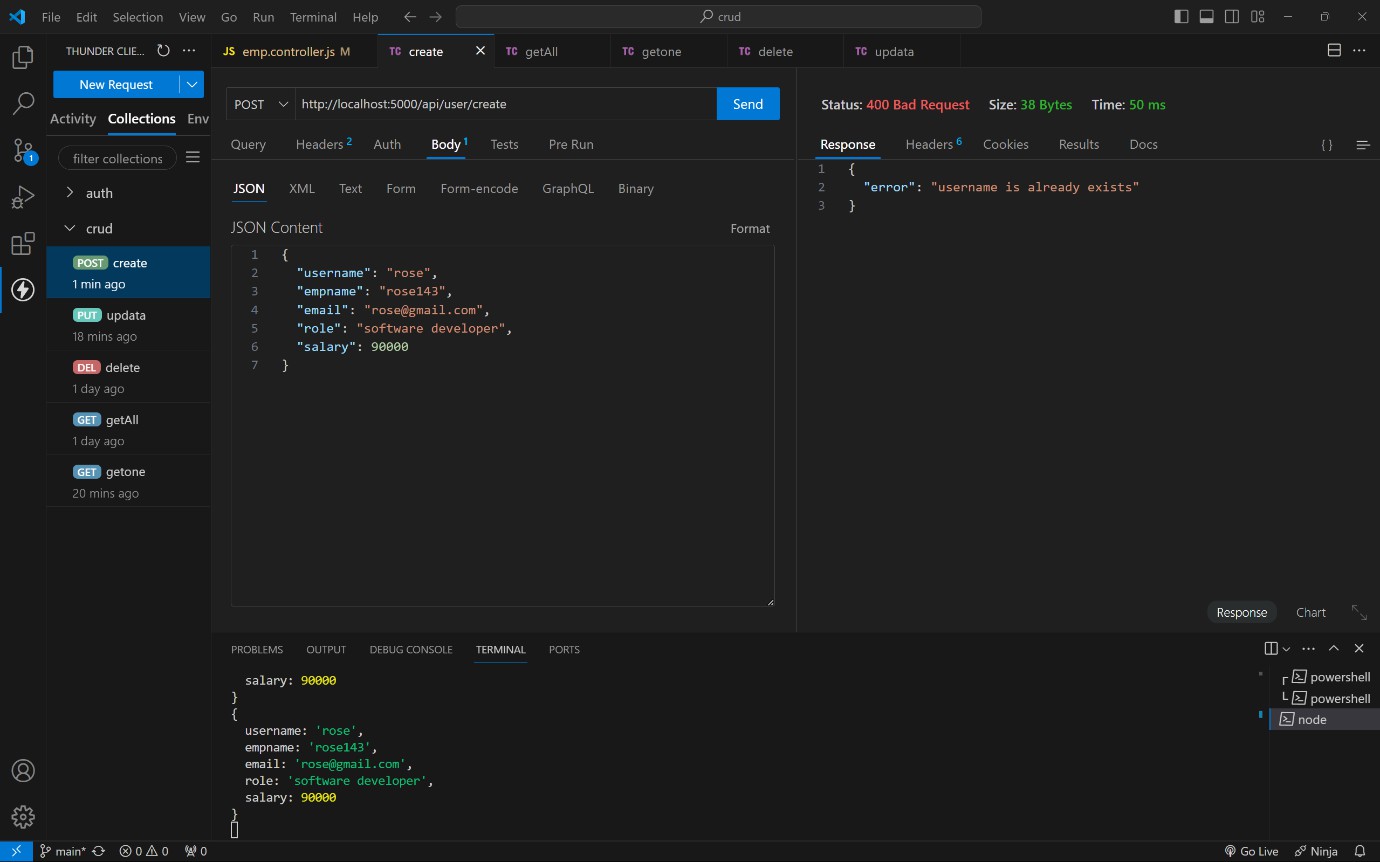
http://localhost:5000/api/user/delete/65ed7b3d76e1dcc9a51654ca

1. **Aftersendingyouwilldeletedsuccessfullyasresponse.**

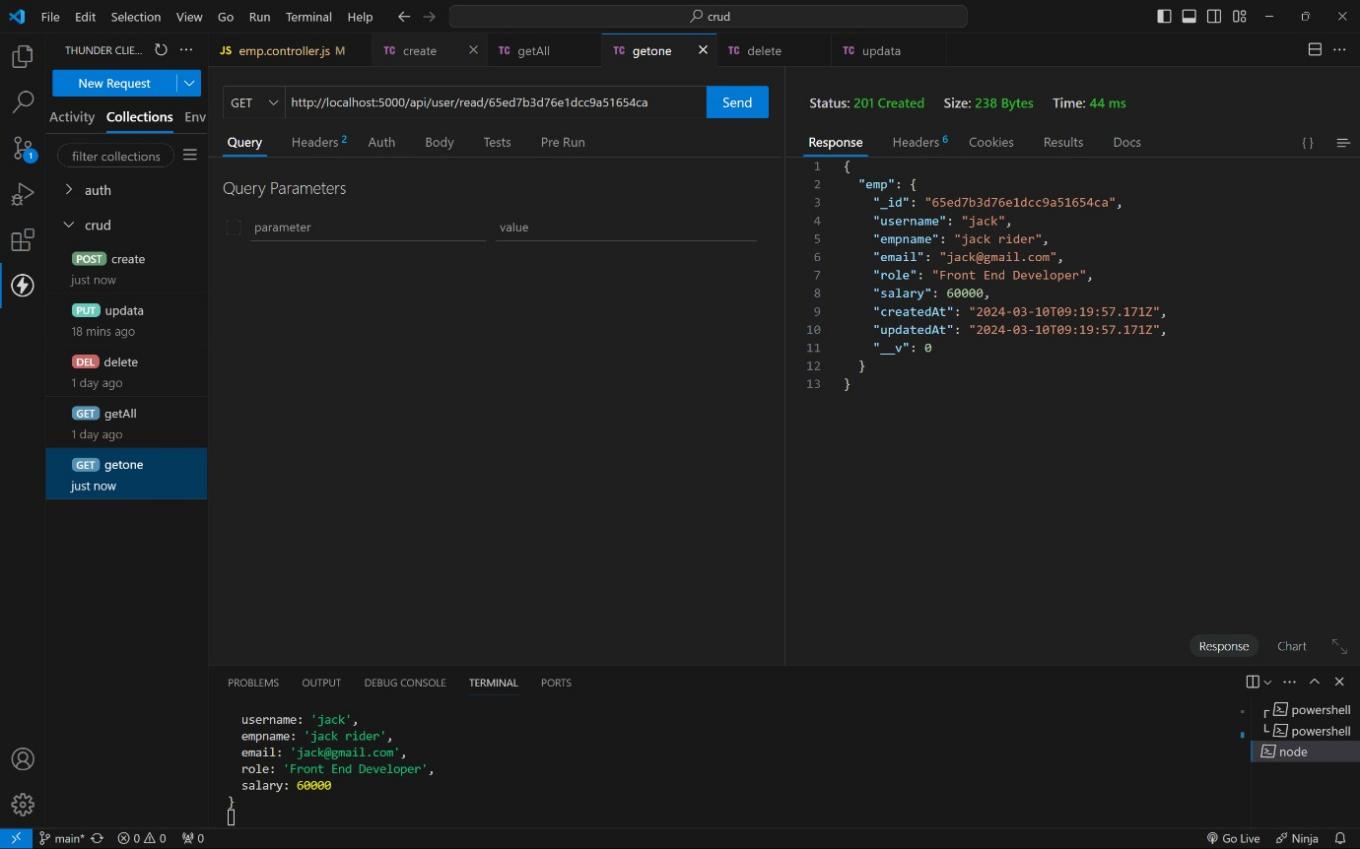
**OUTPUT:**

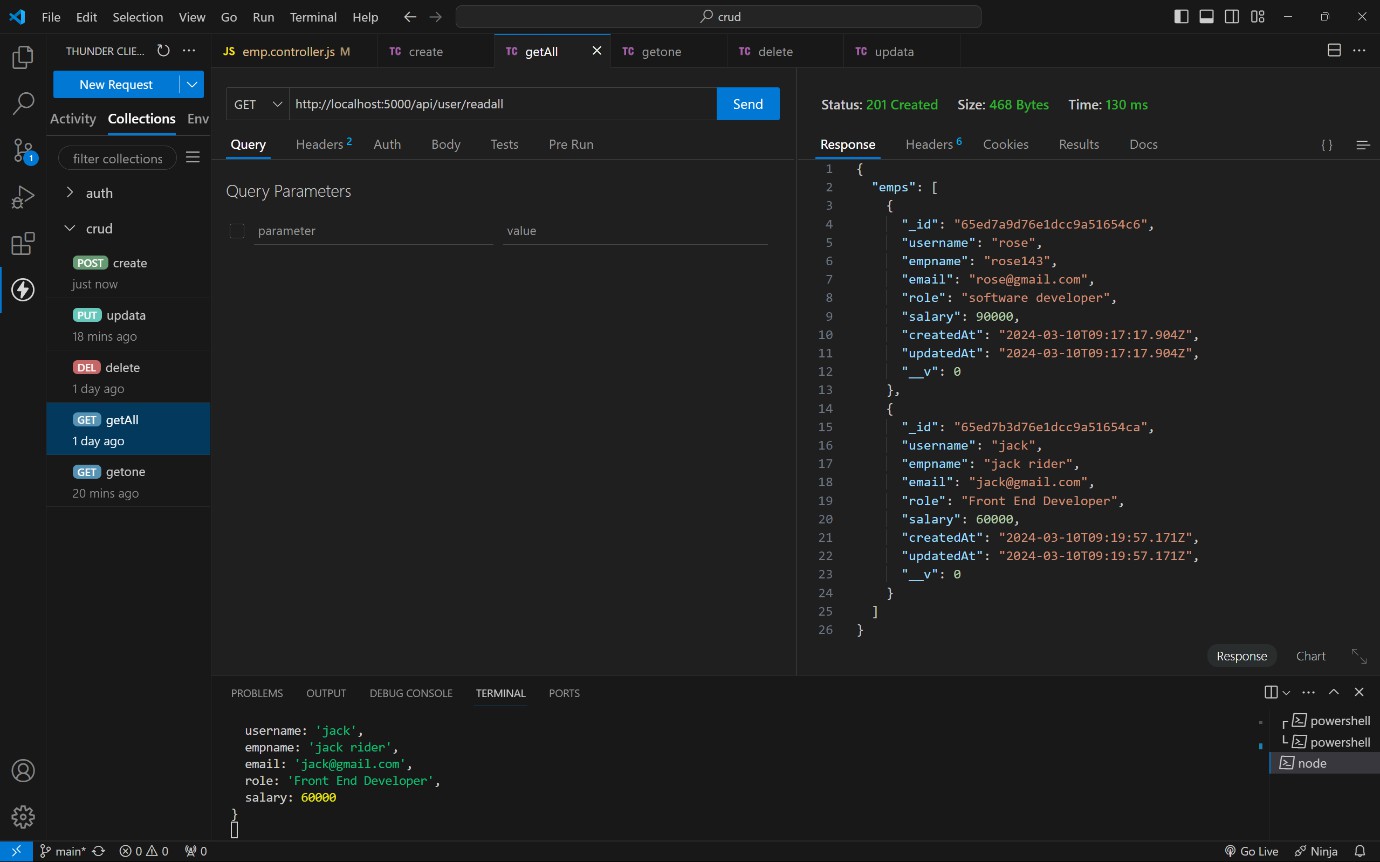
**CREATEANEWUSER:**





**READONE:**





**UPDATE:**

