Mern Stack Assignment-3

Creating Restful API using express.js and creating a database and index in mongodb

Name: Angarapu Durga bhavani

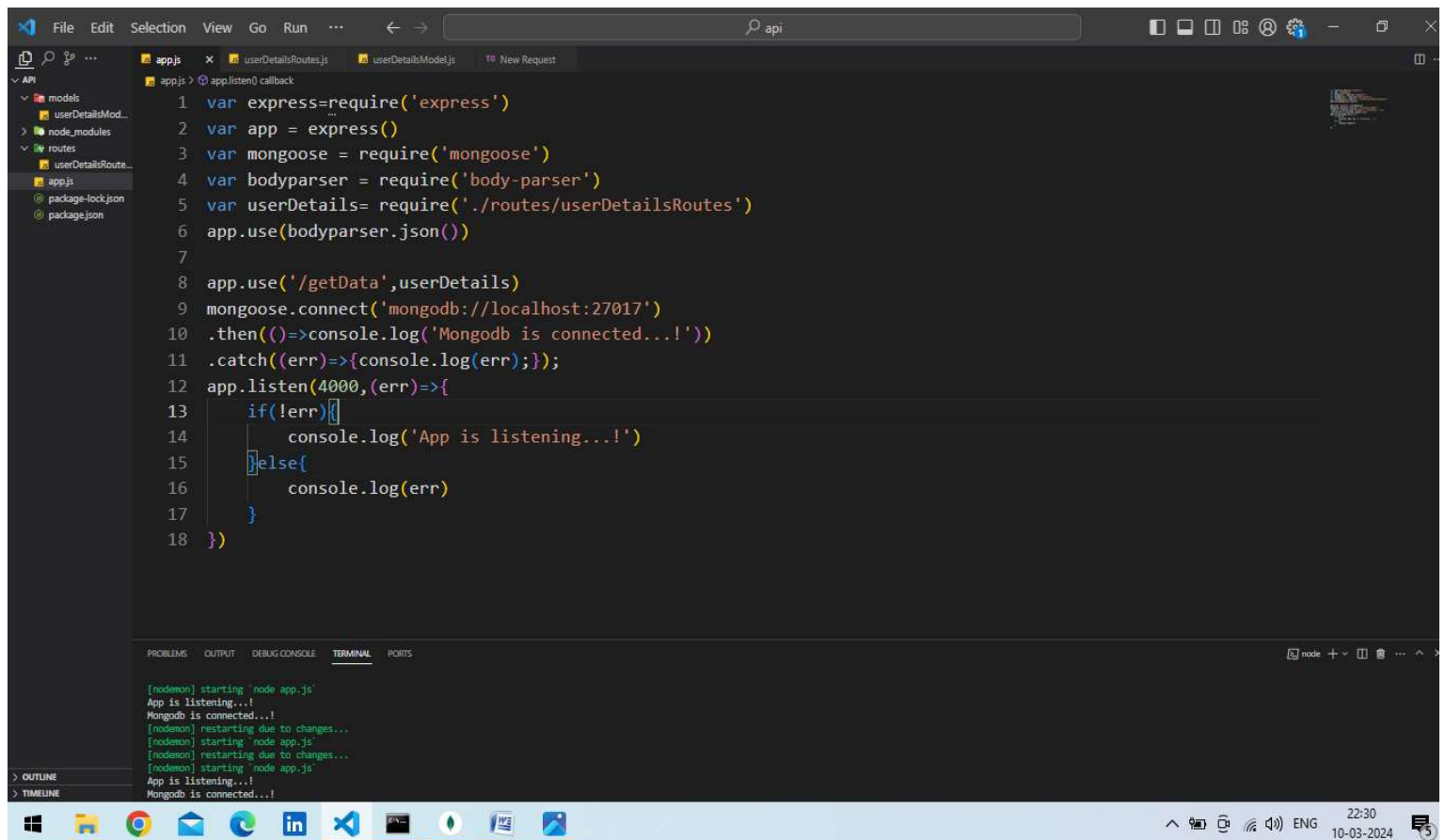Email : angarapudurga123@gmail.com

Phone no 8688639590

Rollno:213637102012

College Name : Svd Gdc(w),Nidadavole,EastGodavari,A.P.
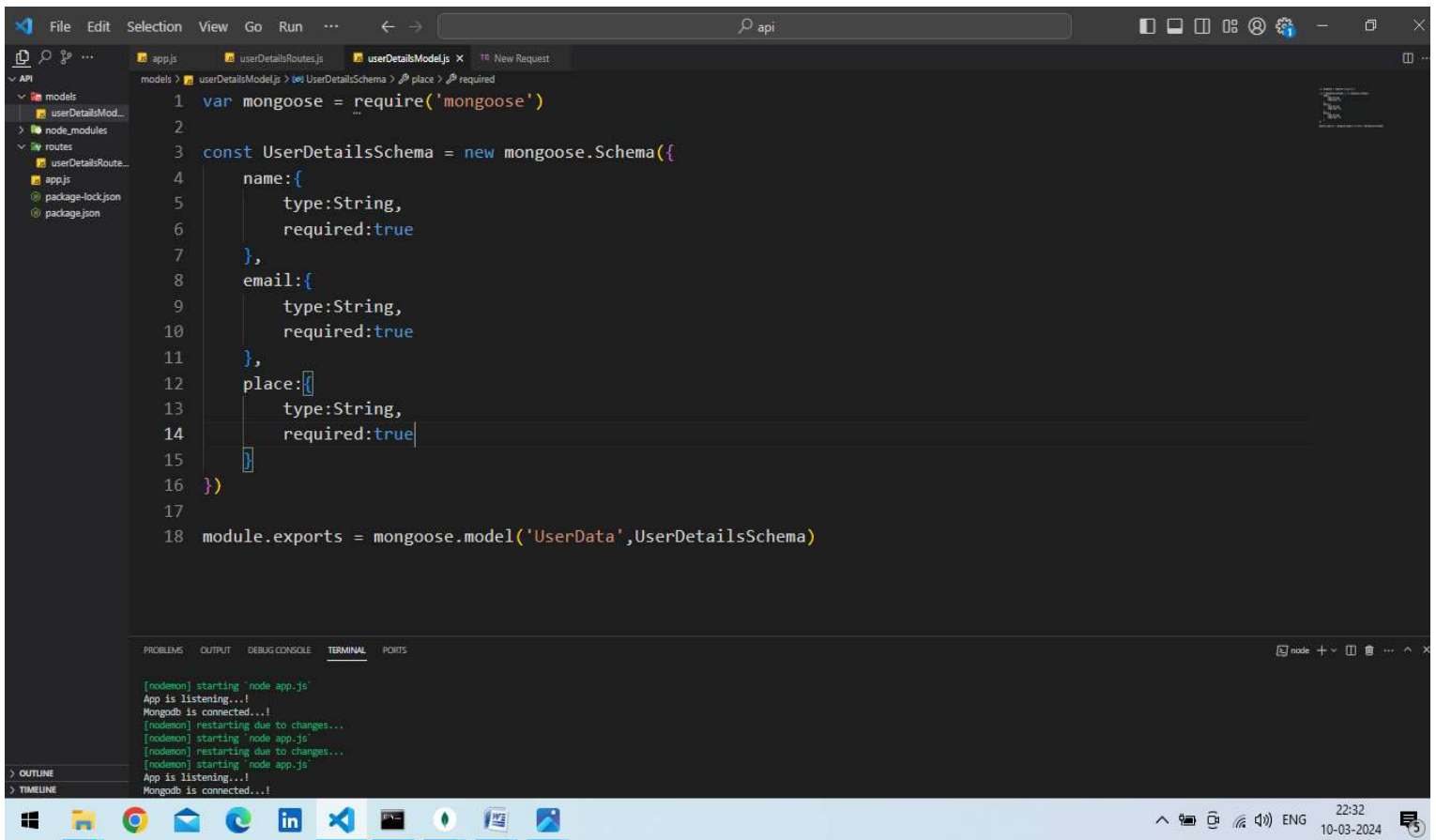
SOURCE CODE:

App.js and Mongodb Connection:

Model:

```javascript
var mongoose = require('mongoose')

const UserDetailsSchema = new mongoose.Schema({
    name:{
        type:String,
        required:true
    },
    email:{
        type:String,
        required:true
    },
    place:{
        type:String,
        required:true
    }
})

module.exports = mongoose.model('UserData',UserDetailsSchema)
```

Terminal:
```
[nodemon] starting `node app.js`
App is listening...!
Mongodb is connected...!
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
App is listening...!
Mongodb is connected...!
```

Routes:
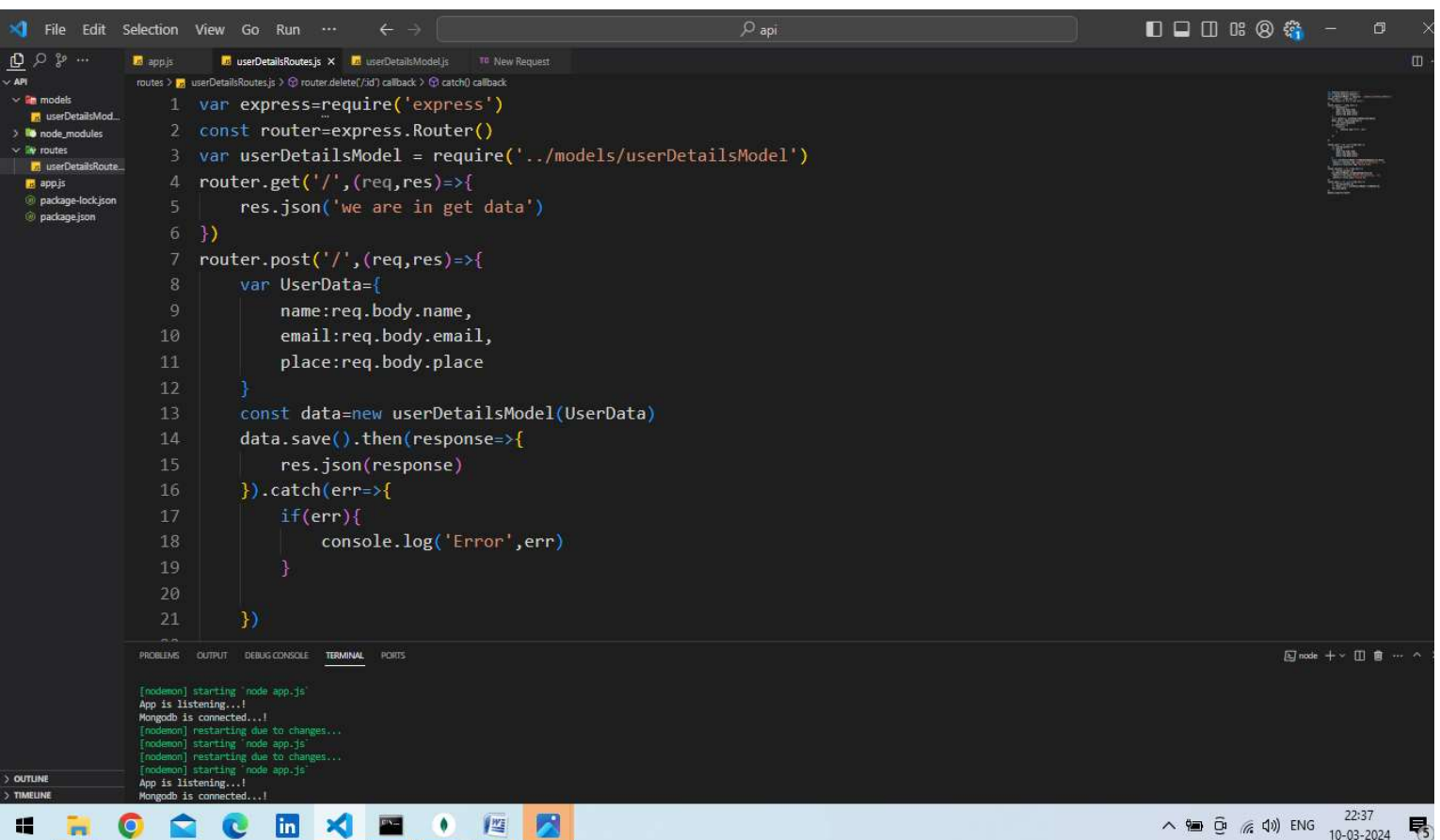
```javascript
var express=require('express')
const router=express.Router()
var userDetailsModel = require('../models/userDetailsModel')
router.get('/',(req,res)=>{
    res.json('we are in get data')
})
router.post('/',(req,res)=>{
    var UserData={
        name:req.body.name,
        email:req.body.email,
        place:req.body.place
    }
    const data=new userDetailsModel(UserData)
    data.save().then(response=>{
        res.json(response)
    }).catch(err=>{
        if(err){
            console.log('Error',err)
        }

    })
```

Terminal:
```
[nodemon] starting `node app.js`
App is listening...!
Mongodb is connected...!
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
[nodemon] restarting due to changes...
[nodemon] starting `node app.js`
App is listening...!
Mongodb is connected...!
```

Approach:

*npm i(installing all dependencies)

*npm start(to run server)

*npm i mongoose express

*now we get below image like

```
PS C:\Users\Queen\Desktop\api> npm i

up to date, audited 1 package in 1s

found 0 vulnerabilities
PS C:\Users\Queen\Desktop\api> npm i mongoose express body-parser

added 84 packages, and audited 85 packages in 34s

13 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS C:\Users\Queen\Desktop\api>
```

*next now we connect mongodb

```
PS C:\Users\Queen\Desktop\api> npm start

> api@1.0.0 start
> nodemon app.js

[nodemon] 3.1.0
[nodemon] to restart at any time, enter `rs`
[nodemon] watching path(s): *.*
[nodemon] watching extensions: js,mjs,cjs,json
[nodemon] starting `node app.js`
App is listening...!
Mongodb is connected...!
```
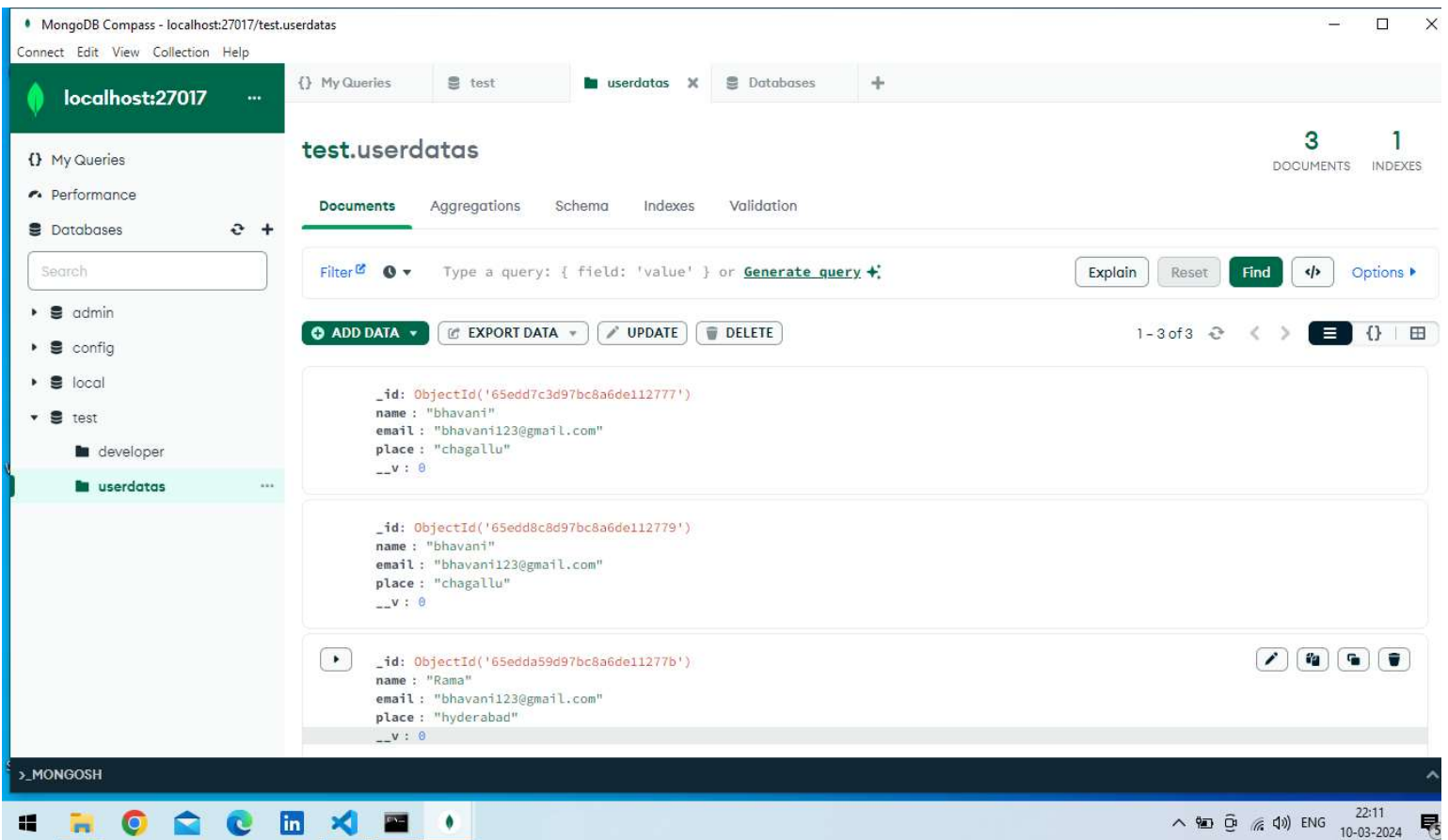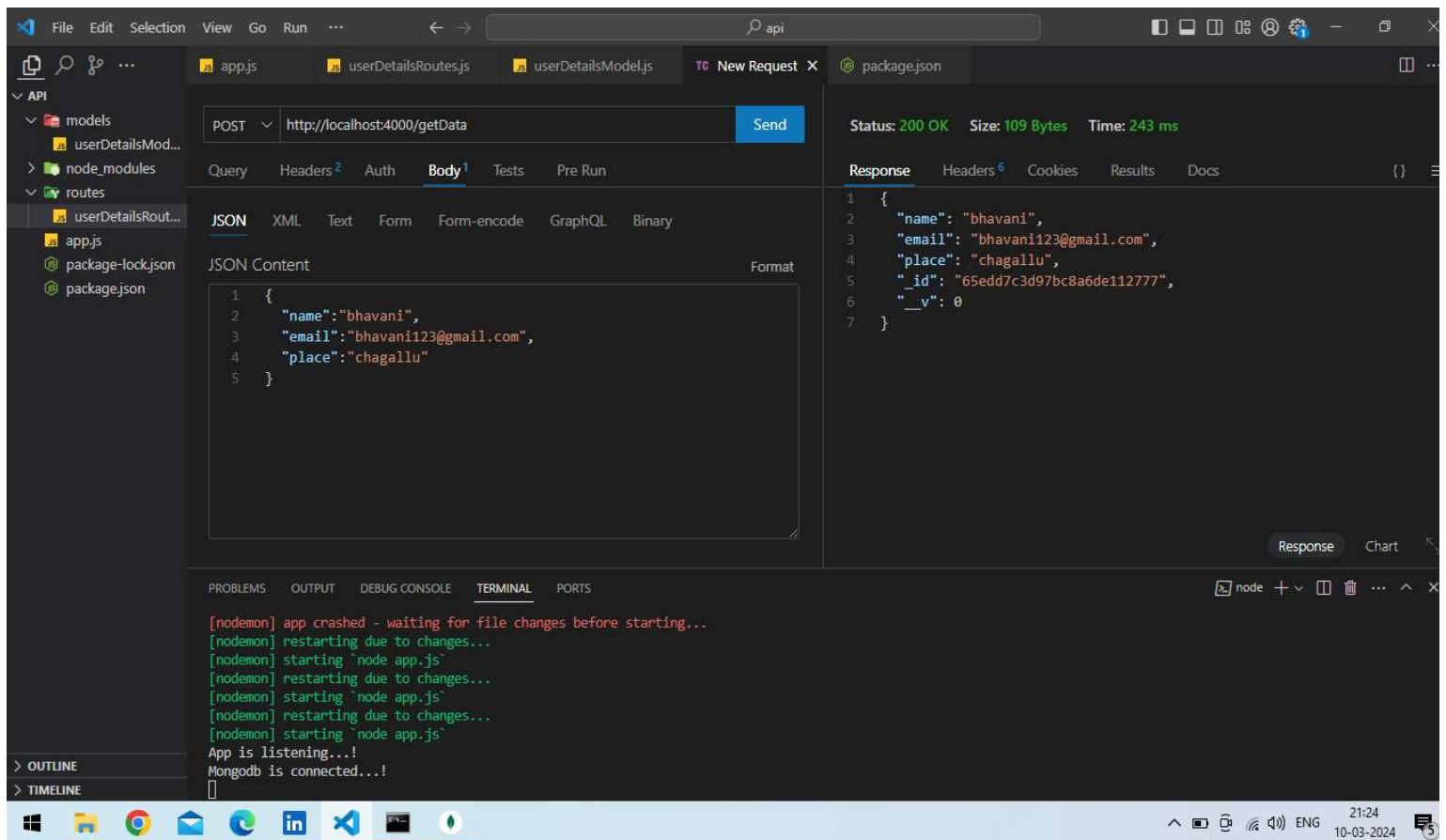
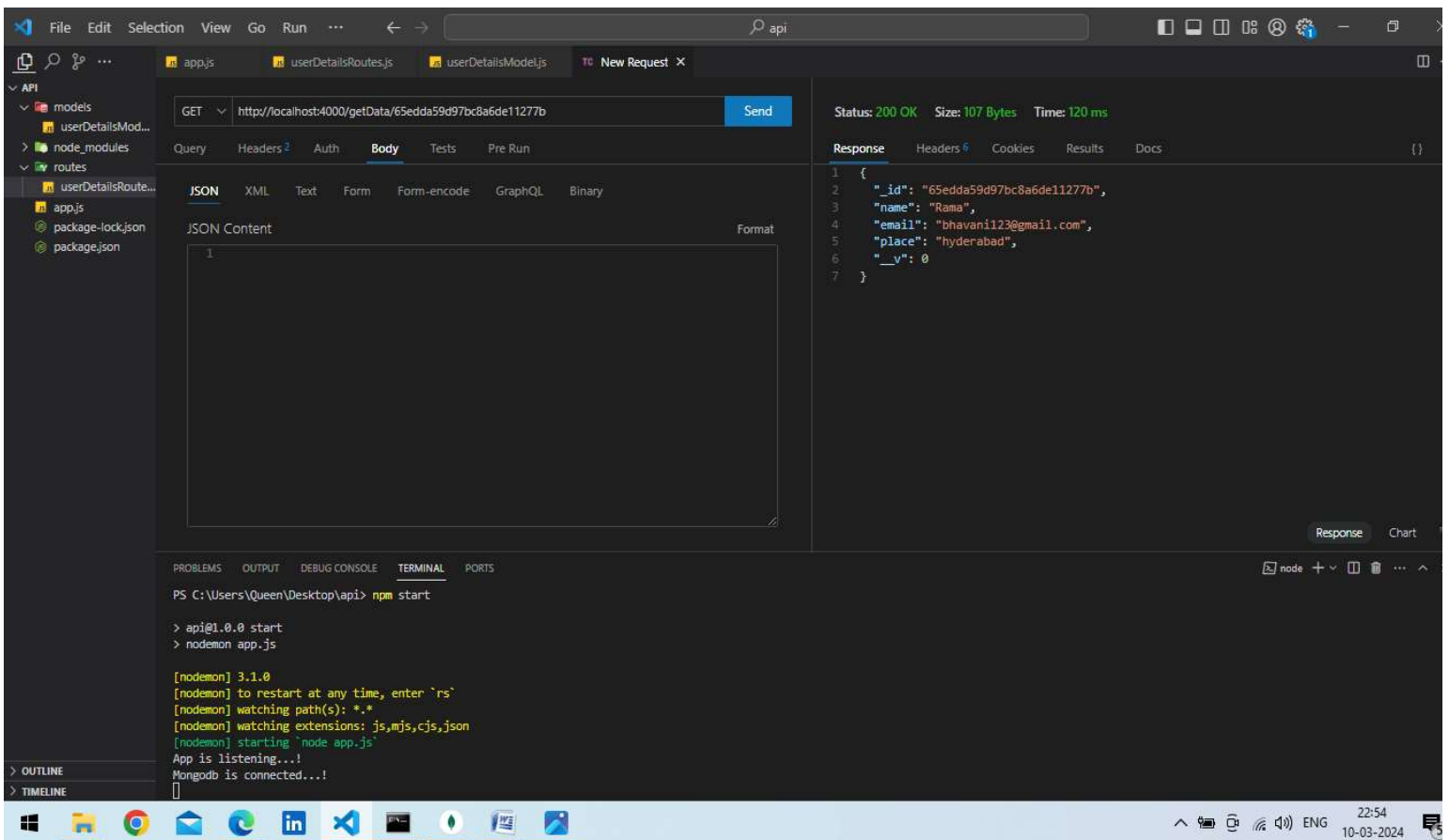*I use thunder client in the process creating RESTful API

*I creating routes for inserting,retrieving,updating and deleting data on server sid
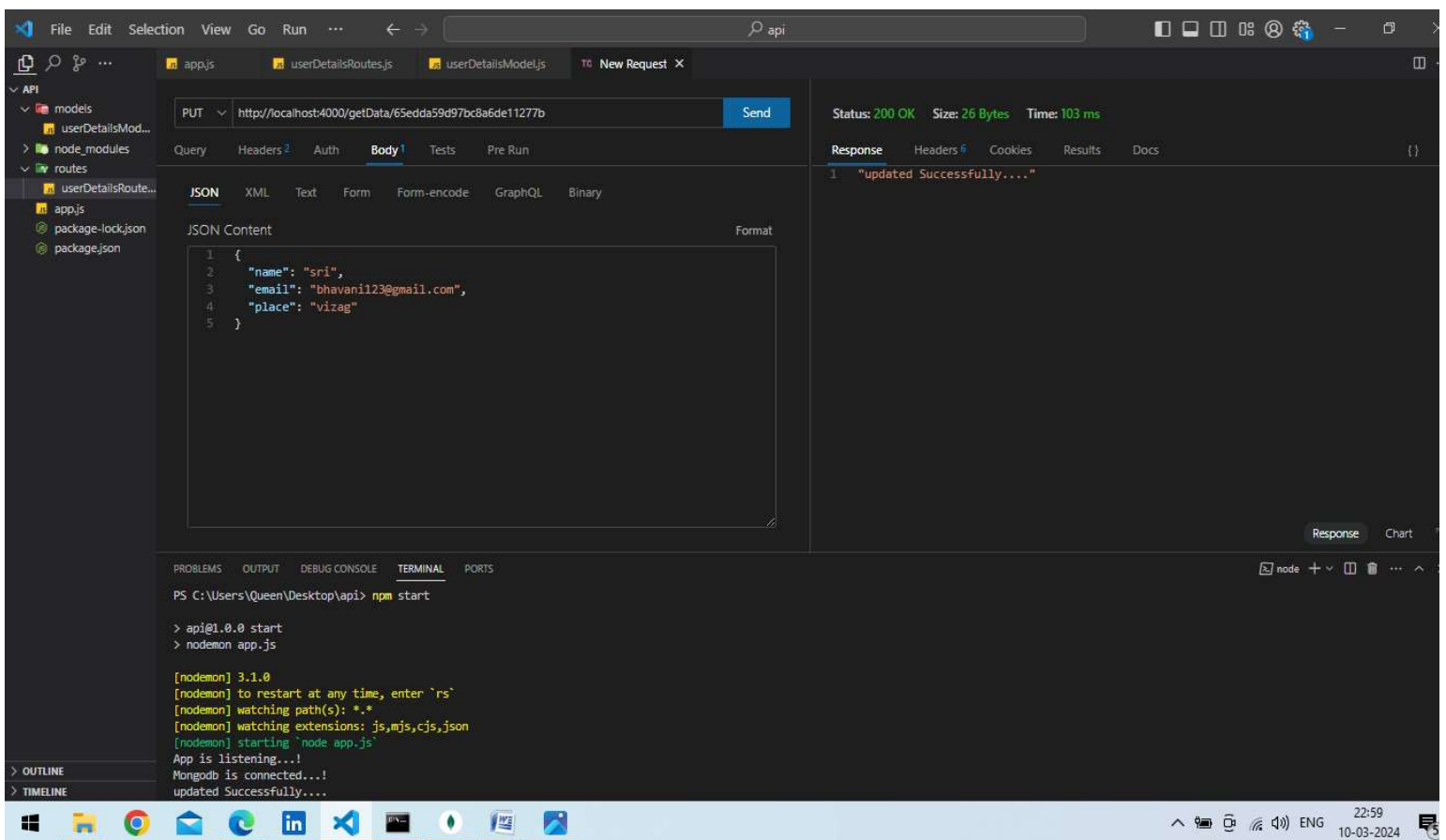from the client request.
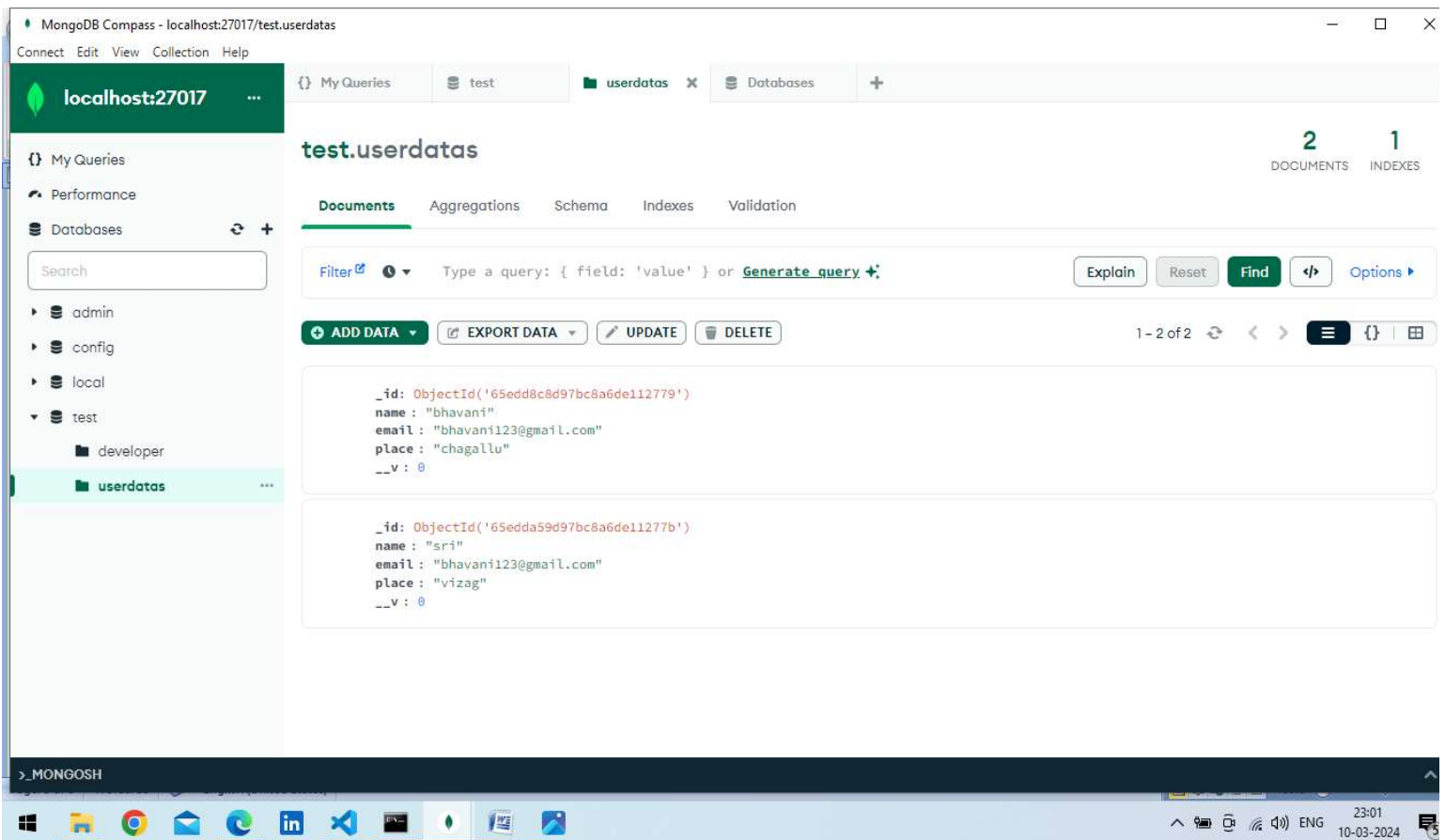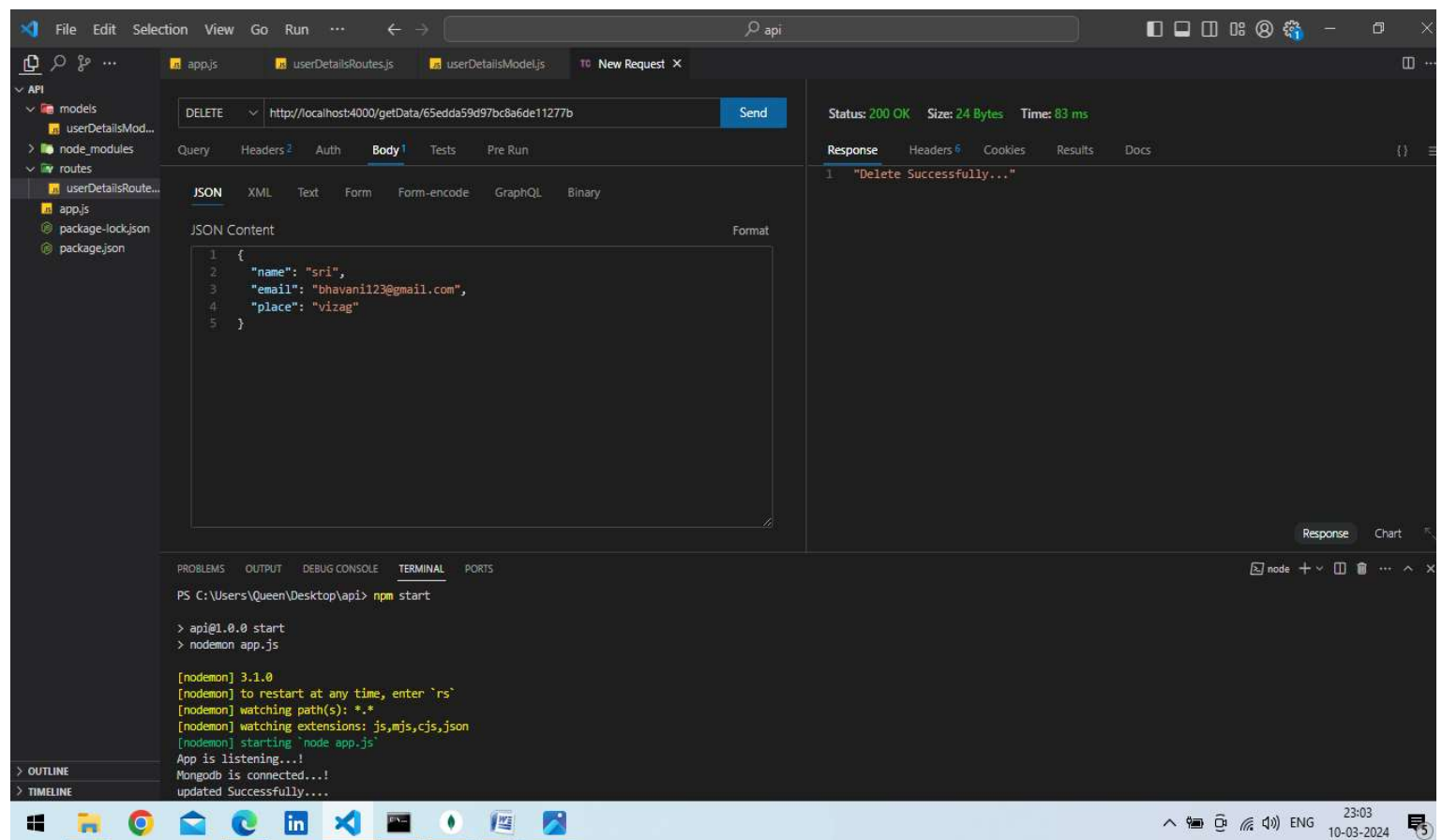
OUTPUT:

Create a New User:

Read a User:

Update a UserDetails:

Delete a user:

Connect Edit View Collection Help

localhost:27017 ...

{} My Queries   test   userdatas X   Databases   +

test.userdatas

1 DOCUMENTS   **1** INDEXES

Documents   Aggregations   Schema   Indexes   Validation

Filter ⬚ 🕐 ▾   Type a query: { field: 'value' } or **Generate query** ✦   Explain   Reset   Find   ◁/▷   Options ▸

⊕ ADD DATA ▾   ☑ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE   1–1 of 1 ⟳ ‹ ›   ☰ {} ⊞

```
_id: ObjectId('65edd8c8d97bc8a6de112779')
name : "bhavani"
email : "bhavani123@gmail.com"
place : "chagallu"
__v : 0
```

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