Assignment-6

Create an express API to read notes,owner from MongoDb

Procedure:

Create a folder ,install the express using cmd "npm install express –save"

also install the "CORS"   "npm install CORS –save "

install mongodb "npm i mongodb –save"

now create a file api.js

api.js

```javascript
const express=require('express');
const url=require('url');
const cors=require('cors');

const {MongoClient}=require('mongodb');
const mongourl='mongodb://127.0.0.1:27017';
const client=new MongoClient(mongourl);
const dbName='Ammu';
var api=express()
api.use(cors())
api.get('/',function(request,response){
    response.send("API server is online")
})
api.get('/insertnotes',async function(request,response){
    urldata=url.parse(request.url,true);
    var notes=urldata.query.notes;
    var owner=urldata.query.owner;
    console.log(notes,owner);
    await client.connect();
    console.log('connected with mongodb server');
    const db=client.db(dbName);;
    const collection=db.collection('expressnotes');
    const result=await collection.insertOne({'notes':notes,'owner':owner});
    console.log(result);
    response.json({status:'success'});
})
api.get('/newregistration',async function(request,response){
    urldata=url.parse(request.url,true);
    var name=urldata.query.name;
    var mobile=urldata.query.mobile;
    var password=urldata.query.password;
    var email=urldata.query.email;
    var org=urldata.query.org;
    console.log(name,mobile,password,email,org);
    await client.connect();
```
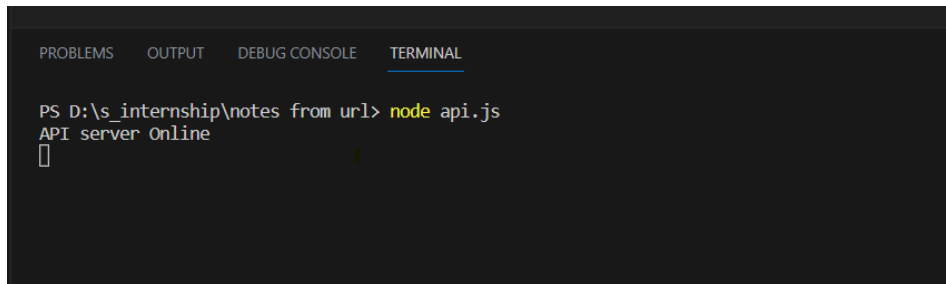
```javascript
        console.log('connected with mongodb server');
        const db=client.db(dbName);;
        const collection=db.collection('expregister');
        const result=await
collection.insertOne({'name':name,'email':email,'mobile':mobile,'password':pas
sword,'org':org});
        console.log(result);
        response.json({status:'success'});
})
api.get('/verifylogin',async function(request,response){
        urldata=url.parse(request.url,true);
        var username=urldata.query.username;
        var password=urldata.query.password;
        console.log(username,password);
        await client.connect();
        console.log('connected to mongodb server');
        const db=client.db(dbName);
        const collection=db.collection('expregister');
        const result=await collection.find().toArray();
        console.log(result);
        var flag=0;
        for(let item of result){
            if(item['mobile']==username && item['password']==password){
            console.log('valid details')
            flag=1;}
        }
        if (flag==0)
        {
            response.json({status:'failure'});
        }
        else{
            response.json({status:'success'});

        }
})

api.get('/viewnotes',async function(request,response){
        await client.connect();
        console.log('connected to mongodb server');
        const db=client.db(dbName);
        const collection=db.collection('expregister');
        const result=await collection.find().toArray();
        console.log(result);
        response.json({status:result});
})
api.listen(2000,function(){
        console.log('API server Online');
})
```
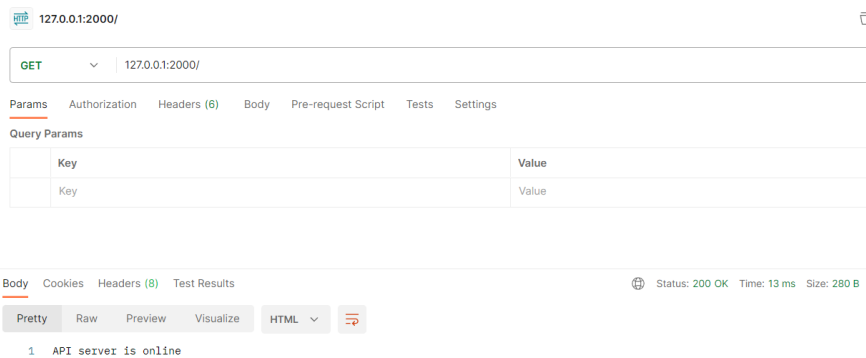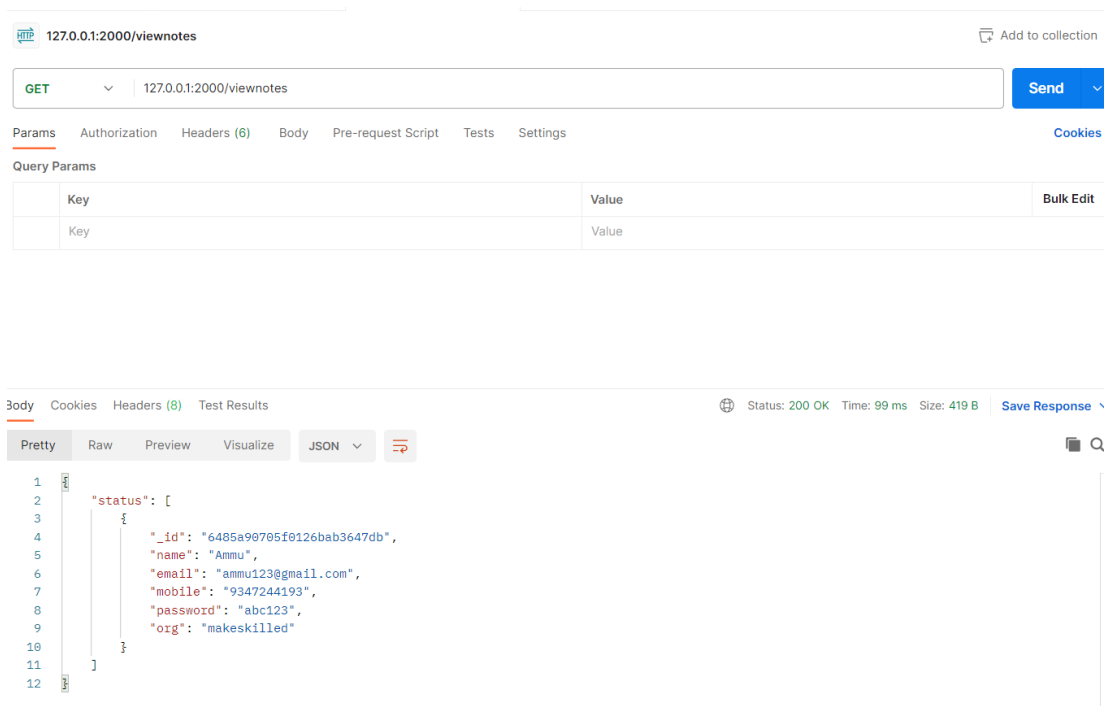
`Run the code " node api.js"

Now ,at the server side,the api server is in online.

Open the postman tool app and select the get method,and call the default handler

The server side,also is on online,now call the "/viewnotes" handler

At the server side also,,,it shows the data

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL

PS D:\s_internship\notes from url> node api.js
API server Online
connected to mongodb server
[
  {
    _id: new ObjectId("6485a90705f0126bab3647db"),
    name: 'Ammu',
    email: 'ammu123@gmail.com',
    mobile: '9347244193',
    password: 'abc123',
    org: 'makeskilled'
  }
]
```