

Assignment-7

Create an express API to read login user 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

```
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();
```

```

        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.get('/viewusernotes',async function(request,response){
        urldata=url.parse(request.url,true);
        var username=urldata.query.username;

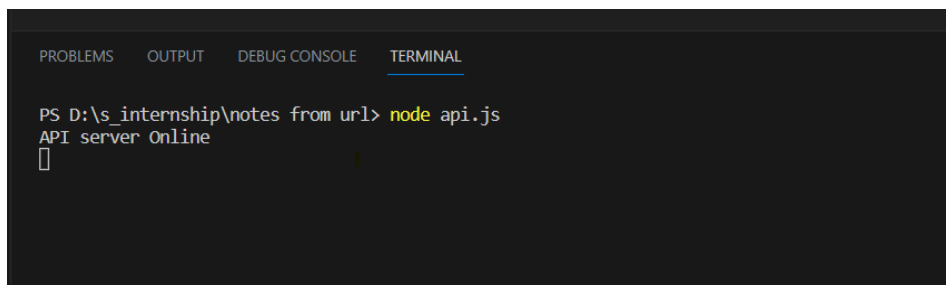
```

```

    console.log(username);
    await client.connect();
    console.log('connected to mongodb server');
    const db=client.db(dbName);
    const collection=db.collection('expregister');
    const result=await collection.find({'mobile':username}).toArray();
    console.log(result);
    response.json({status:result});
  })
  api.listen(2000,function(){
    console.log('API server Online');
  })
})

```

Run the code “ node api.js”



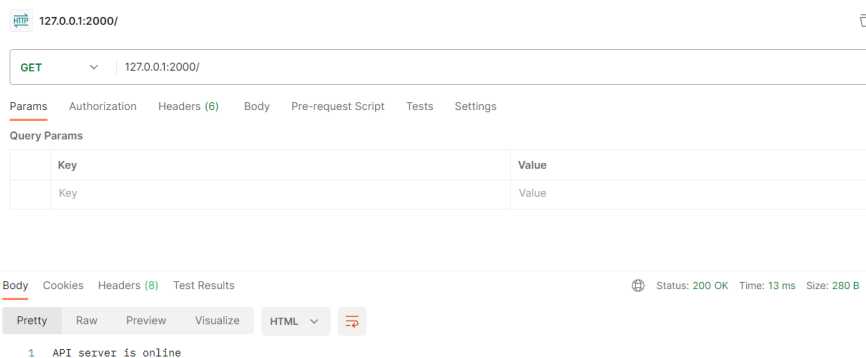
```

PS D:\s_internship\notes from url> node api.js
API server Online

```

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 “/viewusernotes” handler and enter the username.

127.0.0.1:2000/viewusernotes?username=9347244193 Add to colle

GET 127.0.0.1:2000/viewusernotes?username=9347244193 Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings C

Query Params

Key	Value	Bulk
<input checked="" type="checkbox"/> username	9347244193	
Key	Value	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 109 ms Size: 419 B Save Respo

Pretty Raw Preview Visualize JSON ⌵ ⌵

```
1  {
2    "status": [
3      {
4        "_id": "6485a90705f0126bab3647db",
5        "name": "Ammu",
6        "email": "ammu123@gmail.com",
7        "mobile": "9347244193",
8        "password": "abc123",
9        "org": "makeskilled"
10      }
11    ]
12  }
```

At the server side also,,it shows the username and owner notes.

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

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

If the given username has no notes ,then the status [] it has been shown.

127.0.0.1:2000/viewusernotes?username=9347244195 Add to collection

GET 127.0.0.1:2000/viewusernotes?username=9347244195 Send

Params Authorization Headers (6) Body Pre-request Script Tests Settings Cookies

Query Params

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> username	9347244195	
Key	Value	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 22 ms Size: 279 B Save Response

Pretty Raw Preview Visualize JSON ⌵ ⌵

```
1  {
2    "status": []
3  }
```