

Assignment-4

Create an express API to store registration details from the url to 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.listen(2000,function(){
  console.log('API server Online');
})

```

Run the code “ node api.js”

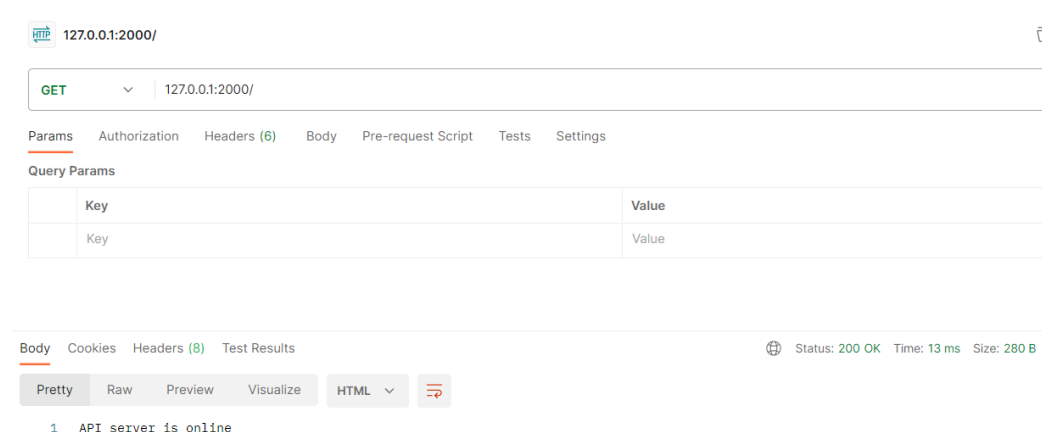
```

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 “/newregistration” handler and enter the values

127.0.0.1:2000/newregistration?name=Ammu&email=ammu123@gmail.com&mobile=9347244193&org=makeskilled&password=abc123

GET 127.0.0.1:2000/newregistration?name=Ammu&email=ammu123@gmail.com&mobile=9347244193&org=makeskilled&password=abc123 Send

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

Key	Value	Bulk Edit
<input checked="" type="checkbox"/> name	Ammu	
<input checked="" type="checkbox"/> email	ammu123@gmail.com	
<input checked="" type="checkbox"/> mobile	9347244193	
<input checked="" type="checkbox"/> org	makeskilled	
<input checked="" type="checkbox"/> password	abc123	
Key	Value	

Body Cookies Headers (8) Test Results Status: 200 OK Time: 12 ms Size: 287 B Save Response

Pretty Raw Preview Visualize JSON

```
1
2  "status": "success"
3
```

Now, the status is success. The inserted data is visible at the server side also

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\s_internship\notes from url> node api.js
API server Online
Ammu 9347244193 abc123 ammu123@gmail.com makeskilled
connected with mongodb server
{
  acknowledged: true,
  insertedId: new ObjectId("6485a90705f0126bab3647db")
}
```

Now check the data is inserted in the mongodb or not.

```
C:\Program Files\MongoDB\Server\5.0\bin\mongo.exe
> db.expreregister.find();
{ "_id" : ObjectId("6485a90705f0126bab3647db"), "name" : "Ammu", "email" : "ammu123@gmail.com", "mobile" : "9347244193", "password" : "abc123", "org" : "makeskilled" }
>
```