

Assignment-2

Create an API to collect data from URL ,store data in Mongodb using node & Express

Run the commands in the respective folders in the command prompt

```
npm install express --save
```

```
npm install mongodb --save
```

source code:

```
const {MongoClient}=require('mongodb')
const mongourl='mongodb://127.0.0.1:27017'
const client=new MongoClient(mongourl);
const dbName='Ammu';
const express=require('express')
const url=require('url')
var api=express()
api.get('/',function(request,response){
    response.send("API server is online")
})
api.get('/message',async function(request,response){
    urldata=url.parse(request.url,true);
    var name=urldata.query.name;
    var rollno=urldata.query.rollno;
    console.log(name,rollno);

    await client.connect();
    console.log('connected to DB server');
    const db=client.db(dbName);
    const collection=db.collection('mss');
    const result=await collection.insertOne({"name":name,"rollno":rollno});

})
api.listen(2000,function(){
    console.log('API server is online,you can call APIs')
})
```

Output:

```
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

PS D:\s_internship\create api to collect data store in mongodb using node_express> node app.js
API server is online,you can call APIs
□
```

Now, open the postman tool app. And paste the link of the server <http://127.0.0.1:2000/> and click on the send button.

The screenshot shows the Postman interface with a GET request to `http://127.0.0.1:2000/`. The response status is 200 OK, with a time of 12 ms and a size of 248 B. The response body, viewed in 'Pretty' format, contains the text: "1 API server is online".

Now call the “/message” handler

The screenshot shows a GET request to `http://127.0.0.1:2000/message?name=Ammulya&rollno=38`. The response status is 200 OK, with a time of 49 ms and a size of 296 B. The response body, viewed in 'Pretty' format, contains the following JSON:

```
{
  "acknowledged": true,
  "insertedId": "6478c4d5aca99ba5f1597aa3"
}
```

Now check in the MongoDB whether the data is inserted or not.

```
C:\Program Files\MongoDB\Server\5.0\bin\mongo.exe
> show dbs;
Ammu 0.000GB
Ammulu 0.000GB
admin 0.000GB
config 0.000GB
dbName 0.000GB
local 0.000GB
> use Ammu;
switched to db Ammu
> db.mss.find();
{ "_id" : ObjectId("6475d04eeb49af7b7d9d5db1"), "name" : "msd", "rollno" : "476" }
{ "_id" : ObjectId("6475d416dee336d943de461b"), "name" : "Ammulu", "rollno" : "83" }
{ "_id" : ObjectId("64784867618adb25d11f0eac"), "name" : "pinky", "rollno" : "23" }
{ "_id" : ObjectId("64784a1ef581fbaf9c472d70"), "name" : "ammulu", "rollno" : "234" }
{ "_id" : ObjectId("6478c4d5aca99ba5f1597aa3"), "name" : "Ammulya", "rollno" : "38" }
```