Github link:

https://github.com/charansankara/Cloudsystemclass

Readme link:

https://github.com/charansankara/Cloudsystemclass/blob/main/README.md
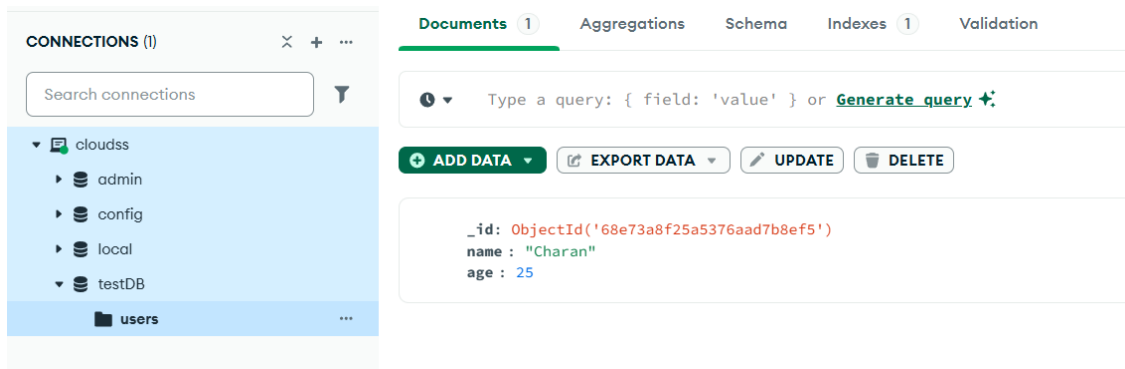
```
C:\Users\Charan\Desktop\cloud ss>node index.js
Connected to MongoDB!
Document Inserted!
Query result: {
  _id: new ObjectId('68e73a8f25a5376aad7b8ef5'),
  name: 'Charan',
  age: 25
}
```

CONNECTIONS (1)   Documents 1   Aggregations   Schema   Indexes 1   Validation

Search connections   🕐 ▾   Type a query: { field: 'value' } or **Generate query** ✨

▾ 🗐 cloudss   ➕ ADD DATA ▾   ☐ EXPORT DATA ▾   ✎ UPDATE   🗑 DELETE
  ▸ 🛢 admin
  ▸ 🛢 config   _id: ObjectId('68e73a8f25a5376aad7b8ef5')
  ▸ 🛢 local   name : "Charan"
  ▾ 🛢 testDB   age : 25
      📁 users   ⋯

```
Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop
$ cd cloudss

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss
$ git clone https://github.com/charansankara/Cloudsystemclass
Cloning into 'Cloudsystemclass'...
remote: Enumerating objects: 9, done.
remote: Counting objects: 100% (9/9), done.
remote: Compressing objects: 100% (7/7), done.
remote: Total 9 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (9/9), 132.79 KiB | 2.60 MiB/s, done.
Resolving deltas: 100% (1/1), done.

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss
$ git add .
fatal: not a git repository (or any of the parent directories): .git

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss
$ dir
Cloudsystemclass

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss
$ ^C

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss
$ cd Cloudsystemclass
```

```
Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss/Cloudsystemclass (main)
$ git add .

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss/Cloudsystemclass (main)
$ git commit -m "Adding MongoDB and js file"
[main 4a80f28] Adding MongoDB and js file
 2 files changed, 34 insertions(+)
 create mode 100644 .gitignore
 create mode 100644 index.js

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss/Cloudsystemclass (main)
$ git push
info: please complete authentication in your browser...
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 16 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 689 bytes | 689.00 KiB/s, done.
Total 4 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/charansankara/Cloudsystemclass
   11f1e4b..4a80f28  main -> main

Charan@DESKTOP-JER3PAQ MINGW64 ~/Desktop/cloudss/Cloudsystemclass (main)
$
```

Preview | Code | Blame   102 lines (84 loc) · 3.46 KB

Raw

Cloudsystemclass

//1. Code Execution & Output

After running your index.js script: = What exact text does the console display when the document is inserted?

Connected to MongoDB! index.js:10 Document Inserted! index.js:17 Query result: {_id: ObjectId, name: 'Alice', age: 25}

= What _id value is automatically assigned to the document? 68ebb7f289b2261e48d1489e

//2. Modify and Observe

Change the name field in index.js to your own name and the age to your birth year. Run the script again. = What new _id is generated for this document? 68e73a8f25a5376aad7b8ef5

= What error occurs if you forget to call await client.connect()? No error

//3. MongoDB Connection Failure o Intentionally break the MongoDB connection string (e.g., change the port to 27018). = What error message does NodeJS throw?

C:\Program Files\nodejs\node.exe --experimental-network-inspection .\index.js Error MongoServerSelectionError: connect ECONNREFUSED ::1:27018, connect ECONNREFUSED 127.0.0.1:27018 at Topology.selectServer (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\sdam\topology.js:327:38) at async Topology._connect (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\sdam\topology.js:200:28) at async Topology.connect (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\sdam\topology.js:152:13) at async topologyConnect (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\mongo_client.js:264:17) at async MongoClient._connect (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\mongo_client.js:277:13) at async MongoClient.connect (c:\Users\Charan\Desktop\cloud ss\node_modules\mongodb\lib\mongo_client.js:202:13) at async main (C:\Users\Charan\Desktop\cloud ss\index.js:9:5) {errorLabelSet: Set(0), reason: TopologyDescription, code: undefined, stack: 'MongoServerSelectionError: connect ECONNREFUS...ers\Charan\Desktop\cloud ss\index.js:9:5)', message: 'connect ECONNREFUSED ::1:27018, connect ECONNREFUSED 127.0.0.1:27018', ...} No debugger available, can not send 'variables'

= What is the exact text of the error code (e.g., ECONNREFUSED)? Error MongoServerSelectionError: connect ECONNREFUSED ::1:27018, connect ECONNREFUSED 127.0.0.1:27018

//4. MongoDB Shell Query Use the MongoDB shell (not Compass) to: = List all documents in the testDB.users collection. { _id: ObjectId('68e73a8f25a5376aad7b8ef5'), name: 'Charan', age: 25 } { _id: ObjectId('68ebb7f289b2261e48d1489e'), name: 'Charan', age: 25 } { _id: ObjectId('68ebb8a0e9b3648a6f652a1a'), name: 'Charan', age: 25 } { _id: ObjectId('68ebb93c4baf1cbfd0004faf'), name: 'Charan', age: 25 }

= What command did you use? Paste the full output. use testDB db.users.find()

//5. File System & Dependencies = What is the absolute path to your project's package-lock.json file? C:\Users\Charan\Desktop\cloud ss

= What exact version of the mongodb driver is installed? 1.47.1

//6. Troubleshooting Practice Stop the MongoDB service and run the script. = What error occurs? No error

= What command restarts the service? sudo systemctl restart mongod

//7. GitHub Repository Structure On GitHub, navigate to your repository's. = What timestamp is listed for your last commit? 3 days ago = How many files are present in this branch? 5 files

//8. Performance Observation Time how long it takes for the script to print "Connected to MongoDB!". = What is the duration (in milliseconds)? 70ms

= Does this time change if you run the script again? Why? Yes it does