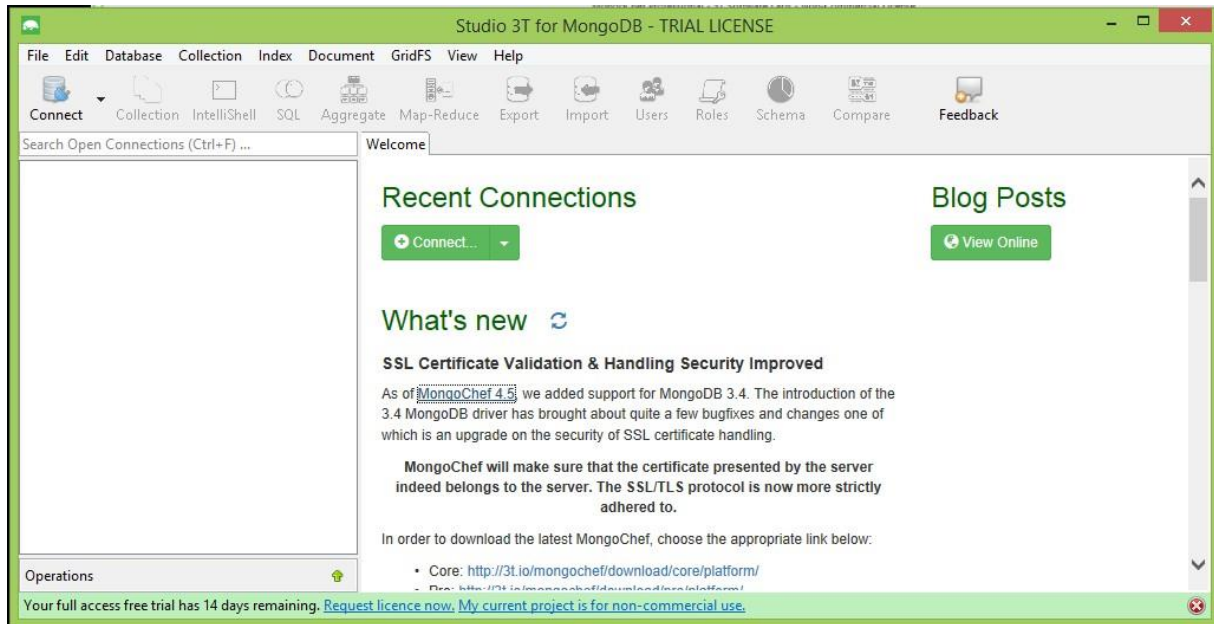


Practical-2 NoSQL

1. Installing Mongo shell.

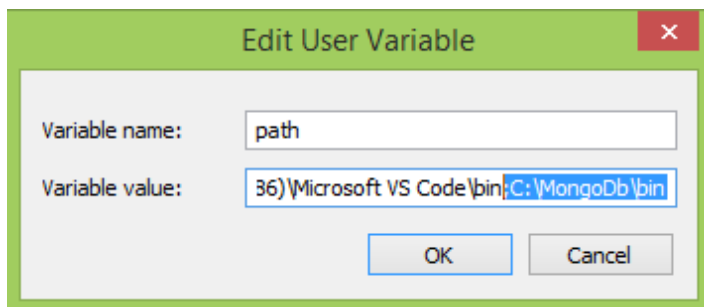
Download MongoChef by using link: <https://studio3t.com/download-thank-you/?OS=win64>

After completion of installation of MongoChef, when you launch it, it's first interface looks like as below.

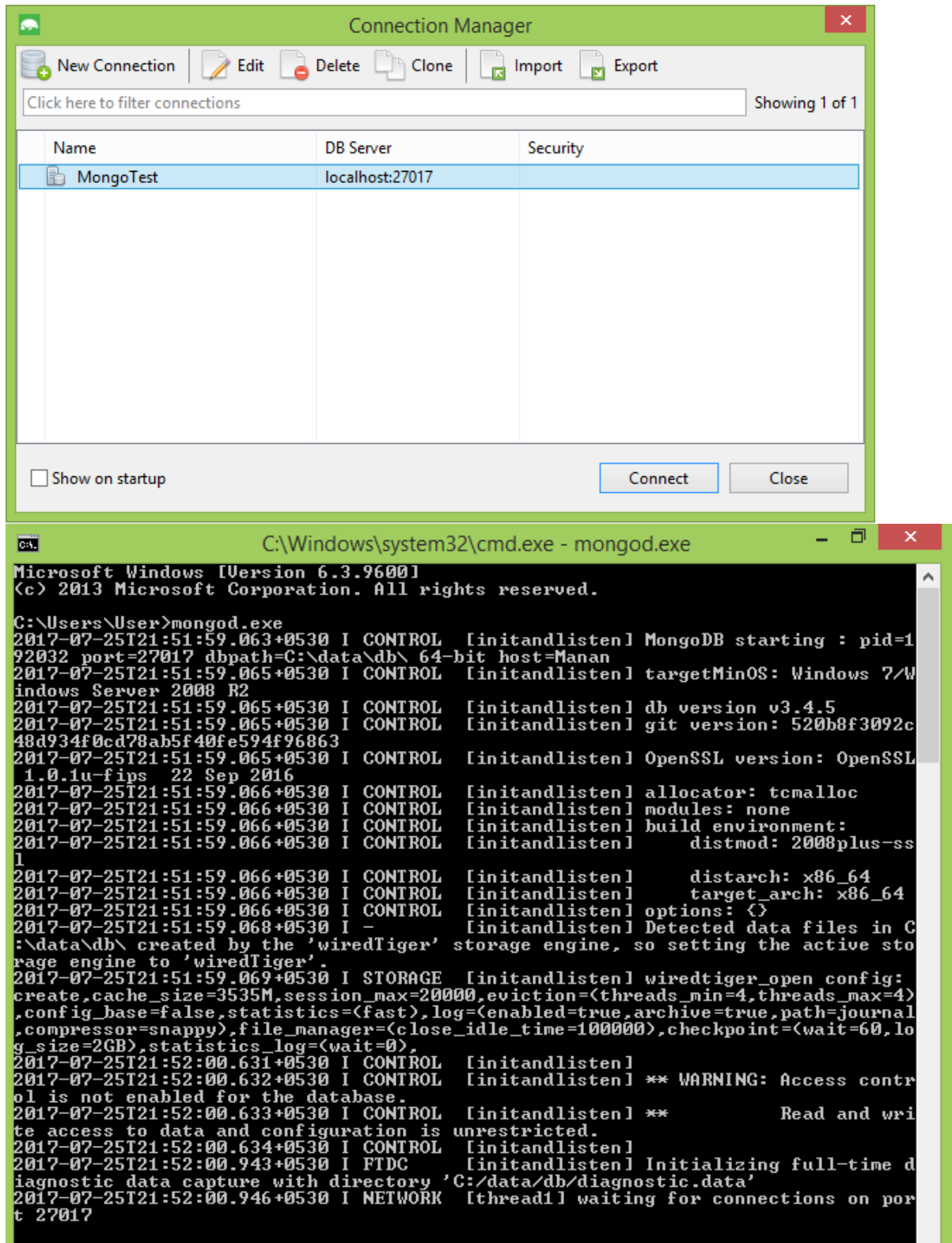


Open terminal and execute `mongod.exe` command, to make background daemon wait to establish connection.

Set path of MongoDB in environment variable as:



Practical-2 NoSQL

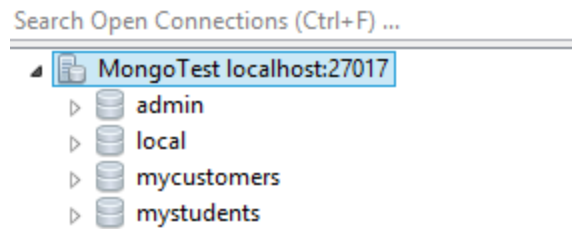


In MongoChef click on Connect, then click on New Connection. Give name of connection and click on save.

Select your connection and click on connect.

Practical-2 NoSQL

It will display all the collections under connection.



Click on IntelliShell. In that shell we can execute our executable statement or script.

COMMANDS

1. CREATE USER

```
db.createUser({
  user: "prachi",
  pwd: "pds",
  roles:[{role: "userAdminAnyDatabase", db:"admin"}]
})
```

2. CREATE DATABASE

Use emp

3. CREATE COLLECTION

```
db.createCollection("emp")
```

4. INSERT DATA INTO DATABASE

- db.emp.insert({"empid" : 1, "empname" : "martin"})
- db.emp.insert({"empid" : 1, "empname" : "martin"})
- db.emp.insert({"empid" : 2, "empname" : "neha", "age" : 23})
- var myemp=[{"empid" : 3, "empname" : "smith"}, {"empid" : 4, "empname" : "john"}];
db.emp.insert(myemp)

5. UPDATE AND DELETE DATA

- db.emp.update({"empid" : 1},{\$set:{"empname" : "pds"}})
- db.emp.update({"empid" : 1},{\$set:{age:40}})
- remove particular field:
db.emp.update({"empid" : 1},{\$unset:{age:40}})
- update value of age by 5:
db.emp.update({"empid" : 1},{\$inc:{age:5}})
- removing whole document
db.emp.remove({empid:3})

- If no document matching with particular condition exists, then if we set upsert “true”, then initially it will also create it.
`db.emp.update({empid:3},{empid:5,empname:"heena",{upsert:true}});`
- Renaming any particular field
`db.emp.update({empid:4},{rename:{"empname":"nameemp"}});`

6. RETRIVAL OF DATA

- `db.emp.find().forEach(printjson)`
- `db.emp.find().pretty()`
- `db.emp.find({ })`
- `db.emp.find({empname : "smith"}).forEach(printjson)`
- `db.emp.find({empid : {$gt:2}})`
- `var myemp=db.emp.find({ empid : {$gt:2}})`
`while(myemp.hasNext()){`
`print(tojson(myemp.next()));`
`}`

7. DISPLAY DATABASE

`show dbs`