3. Set necessary path environment variable

C:\Program Files\MongoDB\Server\5.0\bin

4. Startup MongoDB database \ 5. Connect to MongoDB database through the MongoDB shell command line interface

:- Microsoft Windows [Version 10.0.22000.556]
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C:\Program Files\MongoDB\Server\5.0\bin>-mongosh "mongodb+srv://nayan-dbda.m6bww.mongodb.net/myFirstDatabase" --apiVersion 1 --username nayan7756
Enter password: **********
Current Mongosh Log ID: 625f844e42f57e0cd888fdc4
Connecting to:
mongodb+srv://nayan-dbda.m6bww.mongodb.net/myFirstDatabase?appName=mongosh+1.3.1
Using MongoDB: 5.0.7 (API Version 1)
Using Mongosh: 1.3.1

For mongosh info see: https://docs.mongodb.com/mongodb-shell/

Warning: Found ~/.mongorc.js, but not ~/.mongoshrc.js. ~/.mongorc.js will not be loaded.
You may want to copy or rename ~/.mongorc.js to ~/.mongoshrc.js.
Atlas atlas-j3c2ag-shard-0 [primary] myFirstDatabase>

6. View list of available databases

:- Atlas atlas-j3c2ag-shard-0 [primary] myFirstDatabase> show dbs
database1_dbda 41 kB
lab 8.19 kB
admin 340 kB
local 5.86 GB

7. Create a new database named CDAC and connect to it

:- Atlas atlas-j3c2ag-shard-0 [primary] myFirstDatabase> use CDAC
switched to db CDAC

8. View list of available collections in CDAC database

:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> show tables

Atlas atlas-j3c2ag-shard-0 [primary] CDAC>

9. Create a new collection by the name of LIBRARY/10. Insert the following document in the LIBRARY collection

:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'MongoDB programming',author:'Sameer',likes:100})
{
  acknowledged: true,
  insertedId: ObjectId("625f881f6907ad5c578f66ba")

Atlas atlas-j3c2ag-shard-0 [primary] CDAC> show tables
LIBRARY

Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId("625f881f6907ad5c578f66ba"),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]

title:'MongoDB programming', author:'Sameer', likes:100
11. View the recently inserted document and note the _id field

:-Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId("625f881f6907ad5c578f66ba"),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]

12. Insert another document in the LIBRARY collection as follows:-
title:'MySQL programming', authors:['Jack','Jill'], likes:200

```
:-Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.insertOne({title:'MySQL
programming', authors:['Jack','Jill'], likes:200})
{
  acknowledged: true,
  insertedId: ObjectId("625f8cb76907ad5c578f66bb")
}
```

13. View the inserted documents

```
:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId("625f881f6907ad5c578f66ba"),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  },
  {
    _id: ObjectId("625f8cb76907ad5c578f66bb"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
```

14. View only the first inserted document

```
:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find({likes:{$lte:100}})
[
  {
    _id: ObjectId("625f881f6907ad5c578f66ba"),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]
```

15. View the documents using the pretty() method

```
:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find({likes:{$lte:100}}).pretty()
[
```

```
  {
    _id: ObjectId("625f881f6907ad5c578f66ba"),
    title: 'MongoDB programming',
    author: 'Sameer',
    likes: 100
  }
]
```

16. Update the document where author name = Sameer and change it to Sameer Dehadrai

```
:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC>
db.LIBRARY.updateOne({likes:100},{$set:{aurthor:"sameer Dehadrai"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

17. Delete all documents that have 100 likes

```
:- Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.deleteOne({likes:100})
{ acknowledged: true, deletedCount: 1 }

Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.find()
[
  {
    _id: ObjectId("625f8cb76907ad5c578f66bb"),
    title: 'MySQL programming',
    authors: [ 'Jack', 'Jill' ],
    likes: 200
  }
]
```

18. Drop the LIBRARY collection

```
:-Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.LIBRARY.drop()
true

Atlas atlas-j3c2ag-shard-0 [primary] CDAC> show tables
```

19. Drop the CDAC database

:-

```
Atlas atlas-j3c2ag-shard-0 [primary] CDAC> db.dropDatabase()

Atlas atlas-j3c2ag-shard-0 [primary] > show dbs
database1_dbda    41 kB
lab             8.19 kB
admin            340 kB
local           5.86 GB
```

20. Exit from MongoDB shell

:-

```
Atlas atlas-j3c2ag-shard-0 [primary] CDAC> exit

C:\Program Files\MongoDB\Server\5.0\bin>
```