Assignment-1 NO SQL

6. View list of available databases

```
---
> show dbs;
admin    0.000GB
config   0.000GB
dbda     0.000GB
local    0.000GB
mydb     0.000GB
>
```

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

```
> use CDAC
switched to db CDAC
```

8. View list of available collections in CDAC database

```
> show collections
student
>
```

9. Create a new collection by the name of LIBRARY

```
> db.createCollection('LIBRARY')
{ "ok" : 1 }
>
```

10. Insert the following document in the LIBRARY collection:- title:'MongoDB programming', author:'Sameer', likes:100

```
> db.LIBRARY.insertOne({title:'MongoDB programming', author:'Sameer', likes:100})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("625de1184a4021437cbae469")
}
> db.LIBRARY.find().pretty()
{
        "_id" : ObjectId("625de1184a4021437cbae469"),
        "title" : "MongoDB programming",
        "author" : "Sameer",
        "likes" : 100
}
```

11. View the recently inserted document and note the _id field

```
> db.LIBRARY.find().pretty()
{
        "_id" : ObjectId("625de1184a4021437cbae469"),
        "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

```
db.LIBRARY.insertOne({title:'MySQL programming', authors:['Jack','Jill'], likes:200})

        "acknowledged" : true,
        "insertedId" : ObjectId("625de2144a4021437cbae46a")

db.LIBRARY.find().pretty()

        "_id" : ObjectId("625de1184a4021437cbae469"),
        "title" : "MongoDB programming",
        "author" : "Sameer",
        "likes" : 100


        "_id" : ObjectId("625de2144a4021437cbae46a"),
        "title" : "MySQL programming",
        "authors" : [
                "Jack",
                "Jill"
        ],
        "likes" : 200

-
```

13. View the inserted documents

```
db.LIBRARY.find().pretty()

        "_id" : ObjectId("625de1184a4021437cbae469"),
        "title" : "MongoDB programming",
        "author" : "Sameer",
        "likes" : 100


        "_id" : ObjectId("625de2144a4021437cbae46a"),
        "title" : "MySQL programming",
        "authors" : [
                "Jack",
                "Jill"
        ],
        "likes" : 200

-
```

14. and 15. View only the first inserted document and use pretty() method

```
> db.LIBRARY.find().pretty().limit(1)
{
        "_id" : ObjectId("625de1184a4021437cbae469"),
        "title" : "MongoDB programming",
        "author" : "Sameer",
        "likes" : 100
}
>
```

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

```
}
> db.LIBRARY.update({author:"Sameer"},{$set:{author:"Sameer Dehdrai"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.LIBRARY.find().pretty()
{
        "_id" : ObjectId("625de1184a4021437cbae469"),
        "title" : "MongoDB programming",
        "author" : "Sameer Dehdrai",
        "likes" : 100
}
{
        "_id" : ObjectId("625de2144a4021437cbae46a"),
        "title" : "MySQL programming",
        "authors" : [
                "Jack",
                "Jill"
        ],
        "likes" : 200
}
```

17.Delete all documents that have 100 likes.

```
> db.LIBRARY.deleteMany({likes:100})
{ "acknowledged" : true, "deletedCount" : 1 }
> db.LIBRARY.find().pretty()
{
        "_id" : ObjectId("625de2144a4021437cbae46a"),
        "title" : "MySQL programming",
        "authors" : [
                "Jack",
                "Jill"
        ],
        "likes" : 200
}
```

18. Drop the LIBRARY collection

```
}
> db.LIBRARY.drop()
true
> show collections
student
>
```

19. Drop the CDAC database

```
> db
CDAC
> db.dropDatabase()
{ "ok" : 1 }
> show dbs;
admin    0.000GB
config   0.000GB
dbda     0.000GB
local    0.000GB
mydb     0.000GB
>
```

20. Exit from MongoDB shell

quit()

21. Stop MongoDB server

```
use admin
db.shutdownServer()
```