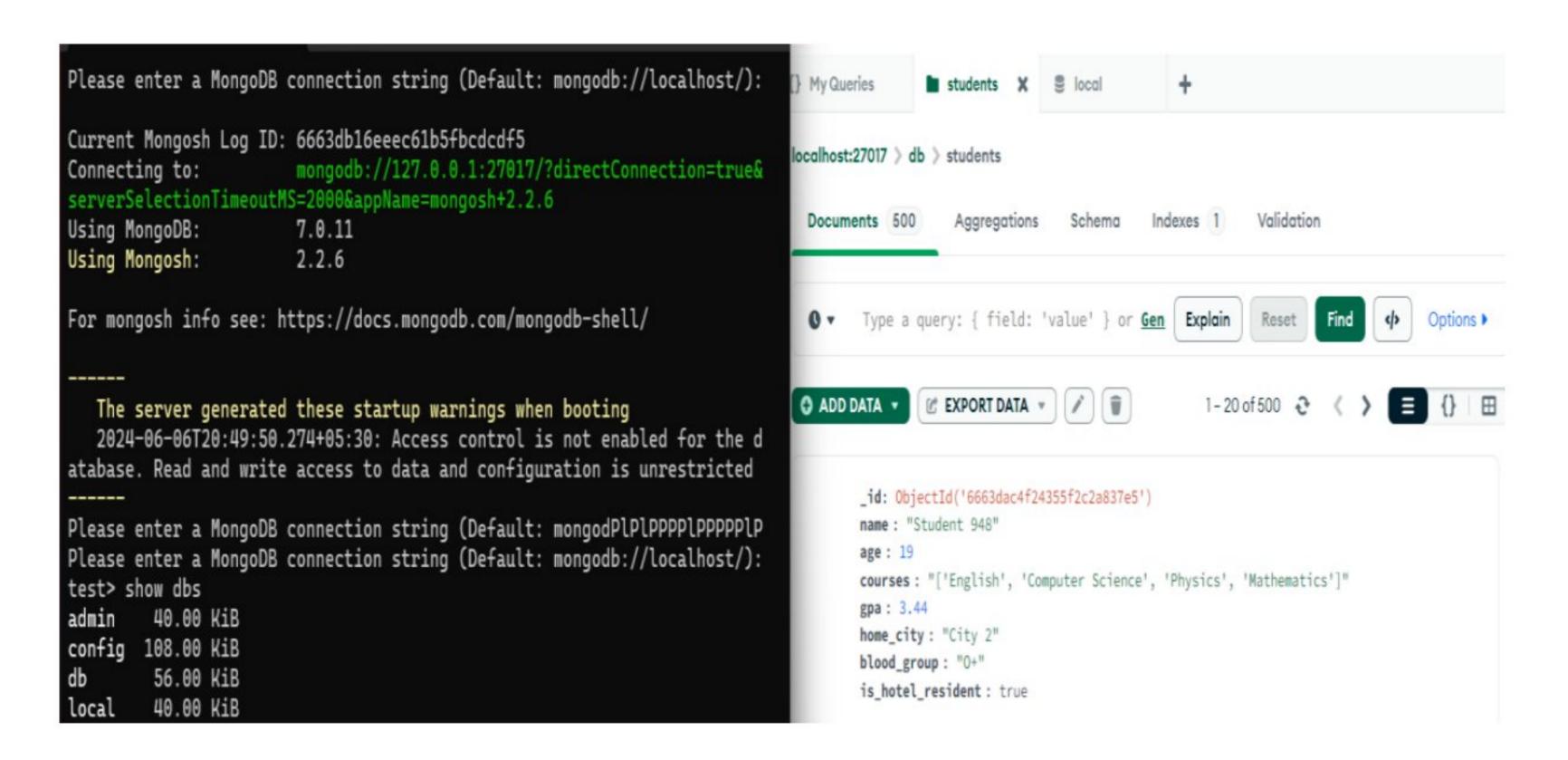
# ADD, UPDATE AND DELETE

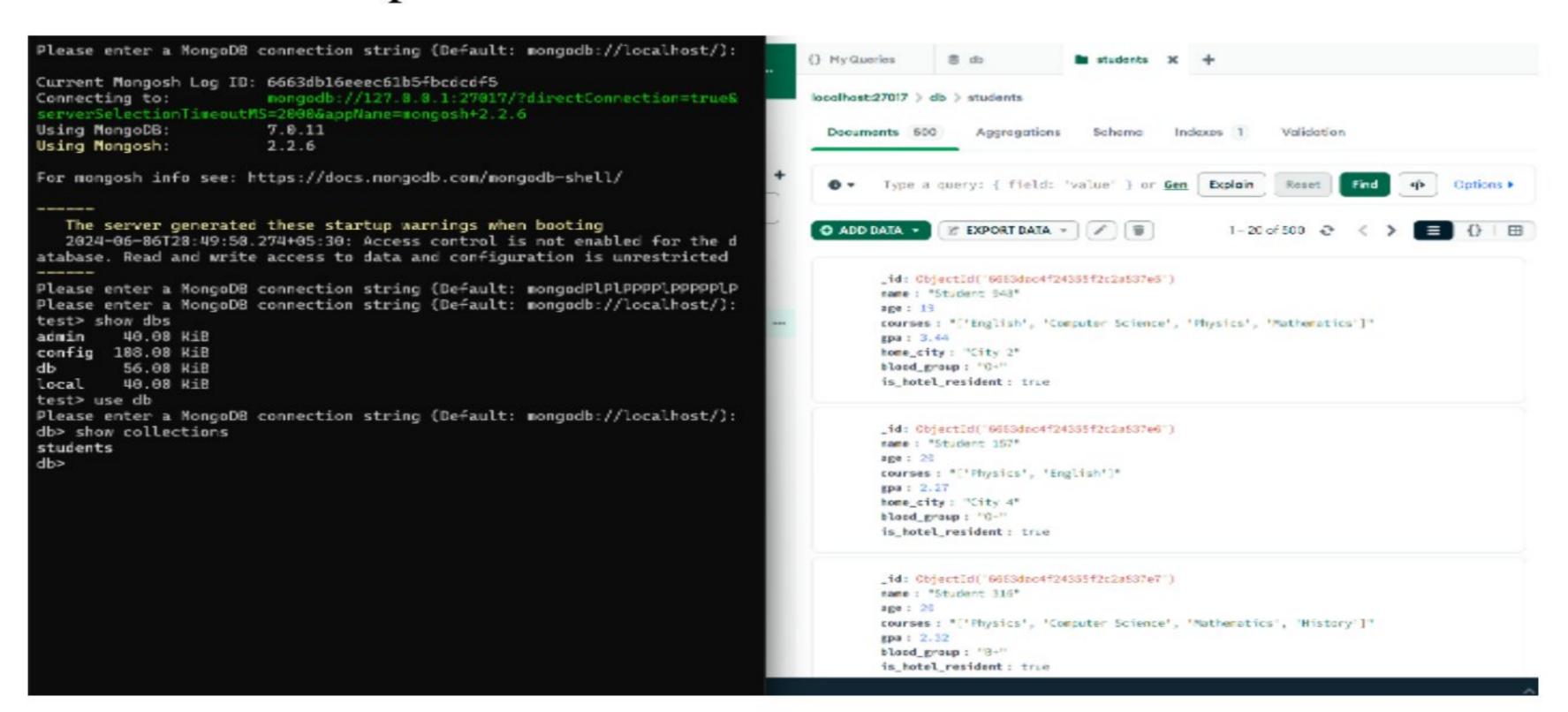
#### COMMANDS:

A command is an instruction given by a user to a computer or software to perform task. It can be a single word, a line of code or a series of instructions that teel the computer what to do.

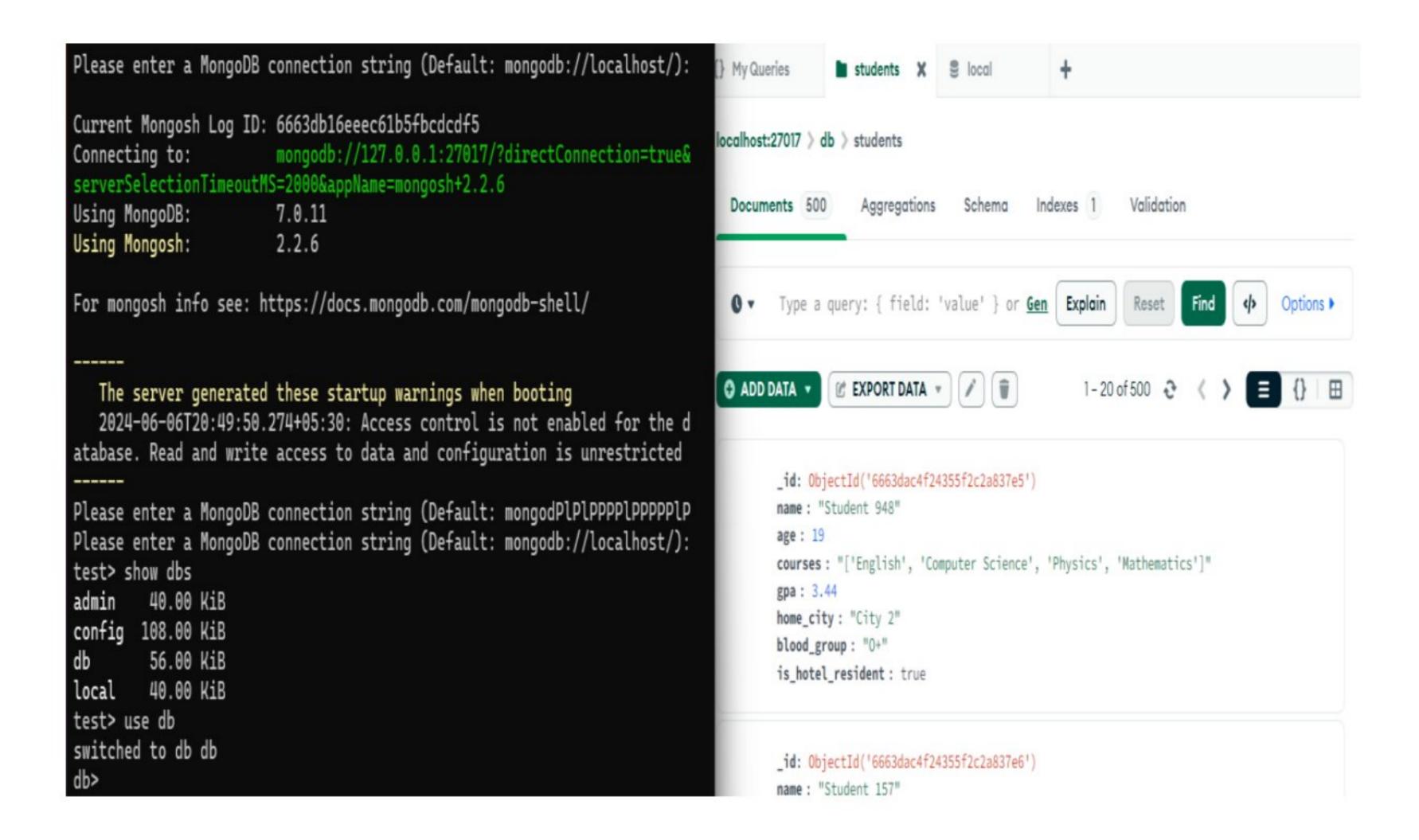
Here in MongoDB we use a command called "show dbs " where it shows all the databases which are imported through mongocompass



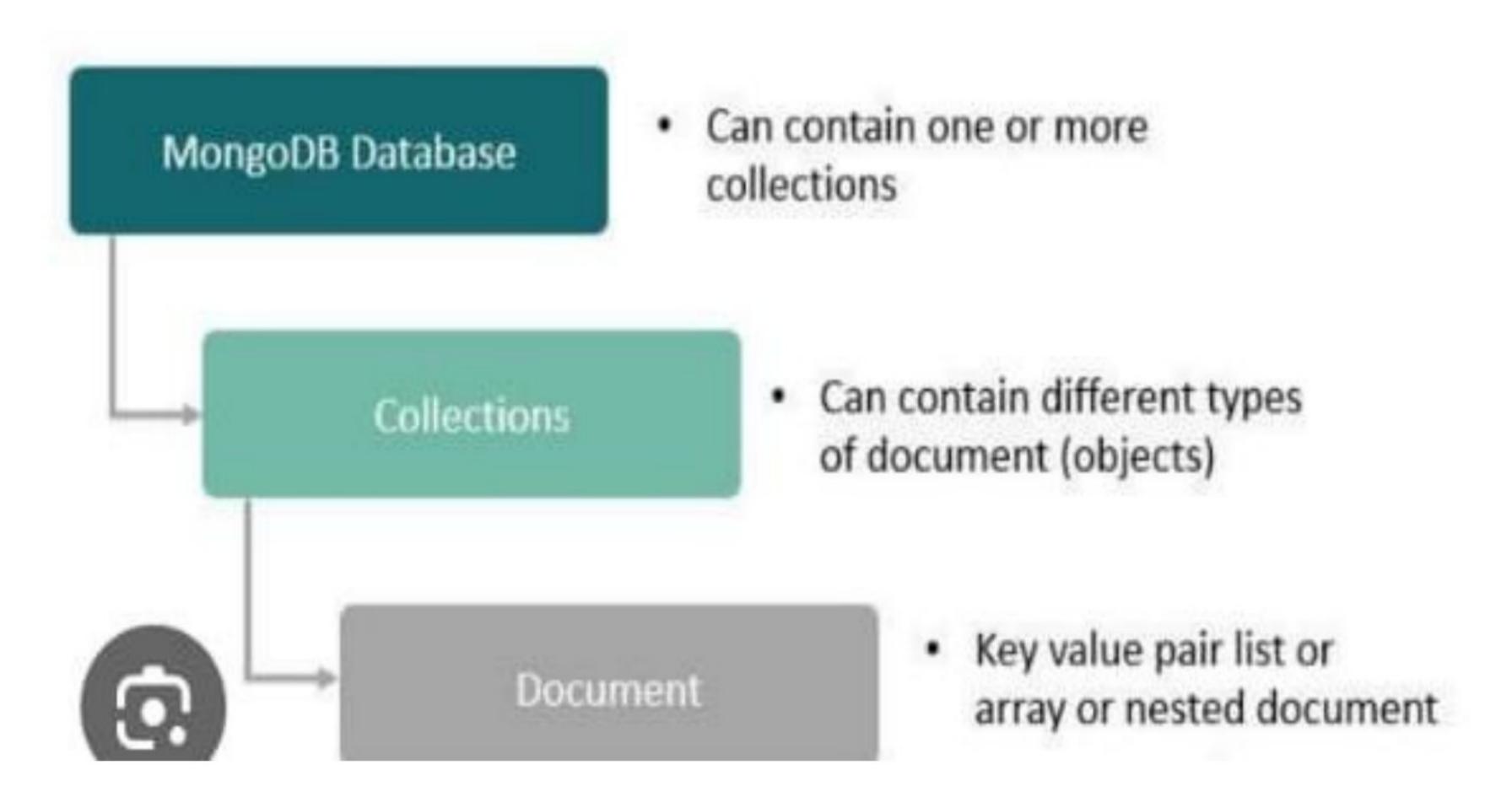
Then, we use a command called "use db" where this connects to the database which is imported.



To check whether the databased is switched with a particular collection we use a command "show collections".it's a proof of switching a db.



# DATABASE, COLLECTIONS, DOCUMENT:



# DATA BASE:

In MongoDB a database contains the collection of **documents**.One can create multiple databases on the MongoDB server.

To check the databases found in MongoDB we use a commands as shown below:

```
Current Mongosh Log ID: 66640228cfc60363b8cdcdf5
                       mongodb://127.0.0.1:27017/?directConnection=true&
Connecting to:
erverSelectionTimeoutMS=2000&appName=mongosh+2.2.6
Using MongoDB:
                       7.0.11
Using Mongosh:
                       2.2.6
For mongosh info see: https://docs.mongodb.com/mongodb-shell/
   The server generated these startup warnings when booting
   2024-06-08T11:39:34.025+05:30: Access control is not enabled for the d
tabase. Read and write access to data and configuration is unrestricted
test> use db
switched to db db
db> show dbs
admin 40.00 KiB
config 108.00 KiB
db 192.00 KiB
local 72.00 KiB
db> show collections
locations
students
students_permission
Please enter a MongoDB connection string (Default: mongodb://localhost/):
db>
```

## COLLECTION:

Collections are just like tables in relational databases, they also stores data, but in front of the documents. A single database is allowed to store multiple collections.

To find collection there is an example below:

A collection "students" is imported, now we need to check some factors based on conditions.Let's see how we can find them:

To (find)the data what is stored in students.csv file we use

#### db.students.find();

```
db> db.students.find({});
    _id: ObjectId('6663dac4f24355f2c2a837e5'),
    name: 'Student 948',
    age: 19,
    courses: "['English', 'Computer Science', 'Physics', 'Mathematics']",
    gpa: 3.44,
    home_city: 'City 2',
    blood_group: '0+',
    is_hotel_resident: true
    _id: ObjectId('6663dac4f24355f2c2a837e6'),
    name: 'Student 157',
    age: 20,
    courses: "['Physics', 'English']",
    gpa: 2.27,
    home_city: 'City 4',
    blood_group: '0-',
    is_hotel_resident: true
    _id: ObjectId('6663dac4f24355f2c2a837e7'),
    name: 'Student 316',
    age: 20,
    courses: "['Physics', 'Computer Science', 'Mathematics', 'History']",
    gpa: 2.32,
    blood_group: 'B+'
    is_hotel_resident: true
    _id: ObjectId('6663dac4f24355f2c2a837e8'),
    name: 'Student 346',
    age: 25,
    courses: "['Mathematics', 'History', 'English']",
    gpa: 3.31,
    home_city: 'City 8',
    blood_group: '0-',
    is_hotel_resident: true
```

### DOCUMENT:

In MongoDB, the data records are stored as **BSON** documents.here ,BSON stands for **Binary representation of JSON documents**, although BSON contains more data types as compared to JSON.the value of the field can be of any BSON type.

