Database System Lab Task

Name: Asjid Ahmed

Roll No: P17-6124

DB LAB Task: 11

Instructor: Muhammad Usman.

Exercise # 1

- **Create a database named your rollno_section (i.e. 19P0084_4A).**

db.dropDatabase();

use 17P6124_6B;

```
> show dbs
admin   0.000GB
asjid   0.000GB
config  0.000GB
local   0.000GB
test    0.000GB
> use 17P6124_6B;
switched to db 17P6124_6B
>
```

Exercise # 2

- **Create a collection named users.**

db.createCollection("users");

show collections;

```
> db.createCollection("users");
{ "ok" : 1 }
> show collections;
users
>
```

Exercise # 3

- **Insert the following record in the user's collection.**

db.users.insertMany([{username:"abc123", password:"def321", email:"abc123@yahoo.com", DOB:" ", Address:"Peshawar", Contact:"+923332233322"},{username:"xyz789", password:"vbn123", email:"xyz789@gmail.com", DOB:" ", Address:"Karachi", Contact:" "},{username:"zain", password:"Abc123", email:"zain@gmail.com", DOB:"1997-02- 13", Address:"Islamabad", Contact:" "},{username:"Atif", password:"Qwe123", email:"atif@gmail.com", DOB:" ", Address:"Islamabad", Contact:" "}])

```
> db.users.insertMany([{username:"abc123", password:"def321", email:"abc123@yahoo.com", DOB:" ", Address:"Peshawar", Con
tact:"+923332233322"},{username:"xyz789", password:"vbn123", email:"xyz789@gmail.com", DOB:" ", Address:"Karachi", Conta
ct:" "},{username:"zain", password:"Abc123", email:"zain@gmail.com", DOB:"1997-02- 13", Address:"Islamabad", Contact:" "
},{username:"Atif", password:"Qwe123", email:"atif@gmail.com", DOB:" ", Address:"Islamabad", Contact:" "}])
{
        "acknowledged" : true,
        "insertedIds" : [
                ObjectId("60d7d71f0c6a86d5dbf5c2d1"),
                ObjectId("60d7d71f0c6a86d5dbf5c2d2"),
                ObjectId("60d7d71f0c6a86d5dbf5c2d3"),
                ObjectId("60d7d71f0c6a86d5dbf5c2d4")
        ]
}
>
```

Exercise # 4

- **Show all users list using find command.**

db.users.find();

```
> db.users.find();
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d1"), "username" : "abc123", "password" : "def321", "email" : "abc123@yahoo.com", "DOB" : " ", "Address" : "Peshawar", "Contact" : "+923332233322" }
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d2"), "username" : "xyz789", "password" : "vbn123", "email" : "xyz789@gmail.com", "DOB" : " ", "Address" : "Karachi", "Contact" : " " }
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d3"), "username" : "zain", "password" : "Abc123", "email" : "zain@gmail.com", "DOB" : "1997-02- 13", "Address" : "Islamabad", "Contact" : " " }
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d4"), "username" : "Atif", "password" : "Qwe123", "email" : "atif@gmail.com", "DOB" : " ", "Address" : "Islamabad", "Contact" : " " }
>
```

Exercise # 5

- **Show all users who lives in Islamabad.**

db.users.find({Address:"Islamabad"});

```
> db.users.find({Address:"Islamabad"});
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d3"), "username" : "zain", "password" : "Abc123", "email" : "zain@gmail.com", "DOB" : "1997-02- 13", "Address" : "Islamabad", "Contact" : " " }
{ "_id" : ObjectId("60d7d71f0c6a86d5dbf5c2d4"), "username" : "Atif", "password" : "Qwe123", "email" : "atif@gmail.com", "DOB" : " ", "Address" : "Islamabad", "Contact" : " " }
>
```