

## Database System Lab Task

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DB LAB Task: 11

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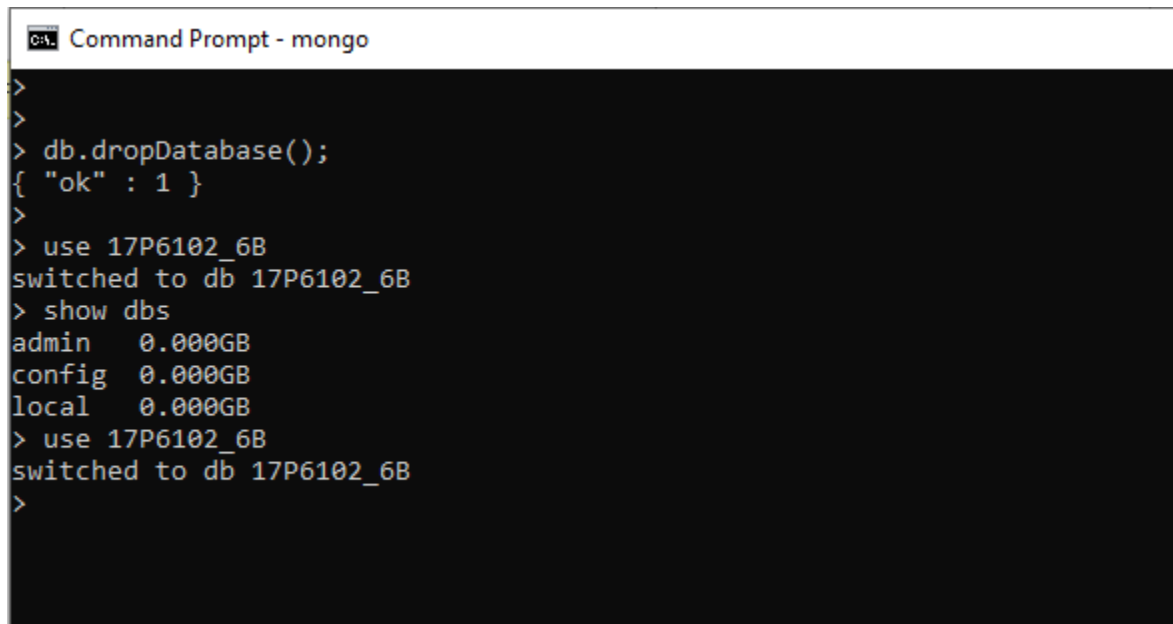
### Question

- Create a database named your rollno\_section (i.e. 19P0084\_4A).

> db.dropDatabase();

> use 17P6102\_6B;

> show dbs;

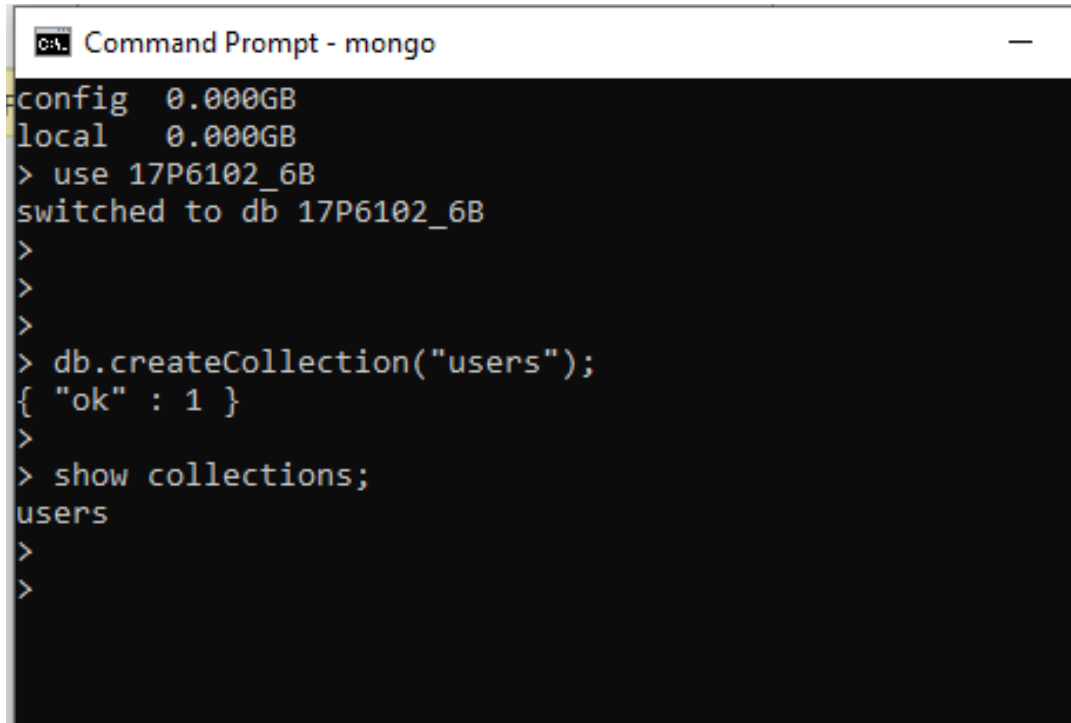


```
Command Prompt - mongo
>
>
> db.dropDatabase();
{ "ok" : 1 }
>
> use 17P6102_6B
switched to db 17P6102_6B
> show dbs
admin    0.000GB
config  0.000GB
local    0.000GB
> use 17P6102_6B
switched to db 17P6102_6B
>
```

- Create a collection named users.

```
> db.createCollection("users");
```

```
> show collections;
```

A screenshot of a Windows Command Prompt window titled "Command Prompt - mongo". The window has a black background with white text. The text shows the following commands and their outputs: "config 0.000GB", "local 0.000GB", "> use 17P6102\_6B" followed by "switched to db 17P6102\_6B", three empty lines, "> db.createCollection('users');" followed by "{ 'ok' : 1 }", "> show collections;" followed by "users", and two more empty lines.

```
Command Prompt - mongo
config 0.000GB
local 0.000GB
> use 17P6102_6B
switched to db 17P6102_6B
>
>
>
> db.createCollection("users");
{ "ok" : 1 }
>
> show collections;
users
>
>
```

- 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:" "}
```

```
... ])
```

```
Command Prompt - mongo
@(<img alt="Terminal icon" data-bbox="125 185 138 195"/>shell):4:74
>
>
>
> db.users.insertMany([ {username:"abc123", password:"def321", email:"abc123@yahoo.com", DOB:" ",Address:"Peshawar", Contact:"+923332233322"}, {username:"xyz789", 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:" " }
...
... ]);
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("60cb1df95893f61957656389"),
    ObjectId("60cb1df95893f6195765638a"),
    ObjectId("60cb1df95893f6195765638b"),
    ObjectId("60cb1df95893f6195765638c")
  ]
}
```

- Show all users list using find command.

> **db.users.find();**

```
>
>
>
> db.users.find();
{ "_id" : ObjectId("60cb1df95893f61957656389"), "username" : "abc123", "password" : "def321", "email" : "abc123@yahoo.com", "DOB" : " ", "Address" : "Peshawar", "Contact" : "+923332233322" }
{ "_id" : ObjectId("60cb1df95893f6195765638a"), "username" : "xyz789", "password" : "vbn123", "email" : "xyz789@gmail.com", "DOB" : " ", "Address" : "Karachi", "Contact" : " " }
{ "_id" : ObjectId("60cb1df95893f6195765638b"), "username" : "zain", "password" : "Abc123", "email" : "zain@gmail.com", "DOB" : "1997-02-13", "Address" : "Islamabad", "Contact" : " " }
{ "_id" : ObjectId("60cb1df95893f6195765638c"), "username" : "Atif", "password" : "Qwe123", "email" : "atif@gmail.com", "DOB" : " ", "Address" : "Islamabad", "Contact" : " " }
```

- Show all users who lives in Islamabad.

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

```
>  
>  
>  
> db.users.find({Address:"Islamabad"});  
{ "_id" : ObjectId("60cb1df95893f6195765638b"), "username" : "zain", "password" : "Abc123", "email" : "zain@gmail.com",  
  " " }  
{ "_id" : ObjectId("60cb1df95893f6195765638c"), "username" : "Atif", "password" : "Qwe123", "email" : "atif@gmail.com",  
  " " }  
>
```