

DBMS LAB ASSIGNMENT 11

Mongodb Basics

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Roll no: P200119

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1. Create a database named your rollno_section (i.e. P20_8784_4A).
2. Create a collection named users.

```
> use P20_0119_4A;
switched to db P20_0119_4A
> db.createCollection("users");
{ "ok" : 1 }
> show collections
users
>
```

3. Insert the following record in the user's collection.

```

>
> db.users.insertMany([
... {Username: "Ali", Password:"def321", Email:"ali123@yahoo.com", DOB:"1996-03-04", Address:"Peshawar", Contact:"+923332233322"},
... {Username: "Haroon", Password:"fast123", Email:"haroon123@gmail.com", Address:"Karachi"},
... {Username: "Zain", Password:"ABC123", Email:"zain@gmail.com", DOB:"1997-02-13", Address:"Islamabad"},
... {Username: "Atif", Password:"Qwe123", Email:"atif@yahoo.com", Address:"Islamabad", Contact:"+923139834276"},
... {Username: "Noman", Password:"def321", Email:"noman@gmail.com", DOB:"1996-03-04", Address:"Peshawar", Contact:"+923349056432"}]);
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("627102c8f96b4e2ed5b7e840"),
    ObjectId("627102c8f96b4e2ed5b7e841"),
    ObjectId("627102c8f96b4e2ed5b7e842"),
    ObjectId("627102c8f96b4e2ed5b7e843"),
    ObjectId("627102c8f96b4e2ed5b7e844")
  ]
}

```

4. Show all users list using find command.

```

> db.users.find({}).pretty();
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e840"),
  "Username" : "Ali",
  "Password" : "def321",
  "Email" : "ali123@yahoo.com",
  "DOB" : "1996-03-04",
  "Address" : "Peshawar",
  "Contact" : "+923332233322"
}
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e841"),
  "Username" : "Haroon",
  "Password" : "fast123",
  "Email" : "haroon123@gmail.com",
  "Address" : "Karachi"
}
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e842"),
  "Username" : "Zain",
  "Password" : "ABC123",
  "Email" : "zain@gmail.com",
  "DOB" : "1997-02-13",

```

```

    "Address" : "Islamabad"
  }
  {
    "_id" : ObjectId("627102c8f96b4e2ed5b7e843"),
    "Username" : "Atif",
    "Password" : "Qwe123",
    "Email" : "atif@yahoo.com",
    "Address" : "Islamabad",
    "Contact" : "+923139834276"
  }
  {
    "_id" : ObjectId("627102c8f96b4e2ed5b7e844"),
    "Username" : "Noman",
    "Password" : "def321",
    "Email" : "noman@gmail.com",
    "DOB" : "1996-03-04",
    "Address" : "Peshawar",
    "Contact" : "+923349056432"
  }
}

```

5. Show all users who live in Islamabad.

```

> db.users.find({Address: "Islamabad"}).pretty();
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e842"),
  "Username" : "Zain",
  "Password" : "ABC123",
  "Email" : "zain@gmail.com",
  "DOB" : "1997-02-13",
  "Address" : "Islamabad"
}
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e843"),
  "Username" : "Atif",
  "Password" : "Qwe123",
  "Email" : "atif@yahoo.com",
  "Address" : "Islamabad",
  "Contact" : "+923139834276"
}

```

6. Show all the users who live in Peshawar or in Karachi.

```
> db.users.find({Address: {$in: ["Peshawar","Karachi"]}}).pretty();
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e840"),
  "Username" : "Ali",
  "Password" : "def321",
  "Email" : "ali123@yahoo.com",
  "DOB" : "1996-03-04",
  "Address" : "Peshawar",
  "Contact" : "+923332233322"
}
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e841"),
  "Username" : "Haroon",
  "Password" : "fast123",
  "Email" : "haroon123@gmail.com",
  "Address" : "Karachi"
}
{
  "_id" : ObjectId("627102c8f96b4e2ed5b7e844"),
  "Username" : "Noman",
  "Password" : "def321",
  "Email" : "noman@gmail.com",
  "DOB" : "1996-03-04",
  "Address" : "Peshawar",
  "Contact" : "+923349056432"
}
>
```