Name: Ahmed Ali
Roll No: P19-0042
Section: 4B

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

```
test> show dbs
admin      40.00 KiB
config   108.00 KiB
local      40.00 KiB
test> use P19_0042_4B
switched to db P19_0042_4B
P19_0042_4B> db
P19_0042_4B
```

2. Create a collection named users.

```
P19_0042_4B> db.createCollection("Ahmed")
{ ok: 1 }
```

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

```
db.Ahmed.insertMany([
{
"Username": "Ali",
"Password": "def321",
"Email": "ali123@yahoo.com",
"DOB" : "1999-03-04",
"Address": "Peshawar",
"Contact": "03333333333"
},
{
"Username": "Haroon",
"Password": "fast123",
"Email": "haroon@gmail.com",
"DOB" : "1990-09-08",
"Address": "Karachi",
"Contact": "0123456789"
},
{
"Username": "Zain",
"Password": "Abc123",
"Email": "zain@gmail.com",
"DOB" : "1997-02-13",
"Address": "Islamabad",
"Contact": "0987654321"
},
{
"Username": "Alif",
"Password": "Qwe123",
```

```
"Email": "alif@gmail.com",
"DOB" : "2000-06-05",
"Address": "Islamabad",
"Contact": "0998766313"
},
{
"Username": "Noman",
"Password": "def321",
"Email": "noman@gmail.com",
"DOB" : "1993-06-04",
"Address": "Peshawar",
"Contact": "0312335678"
}
])
```
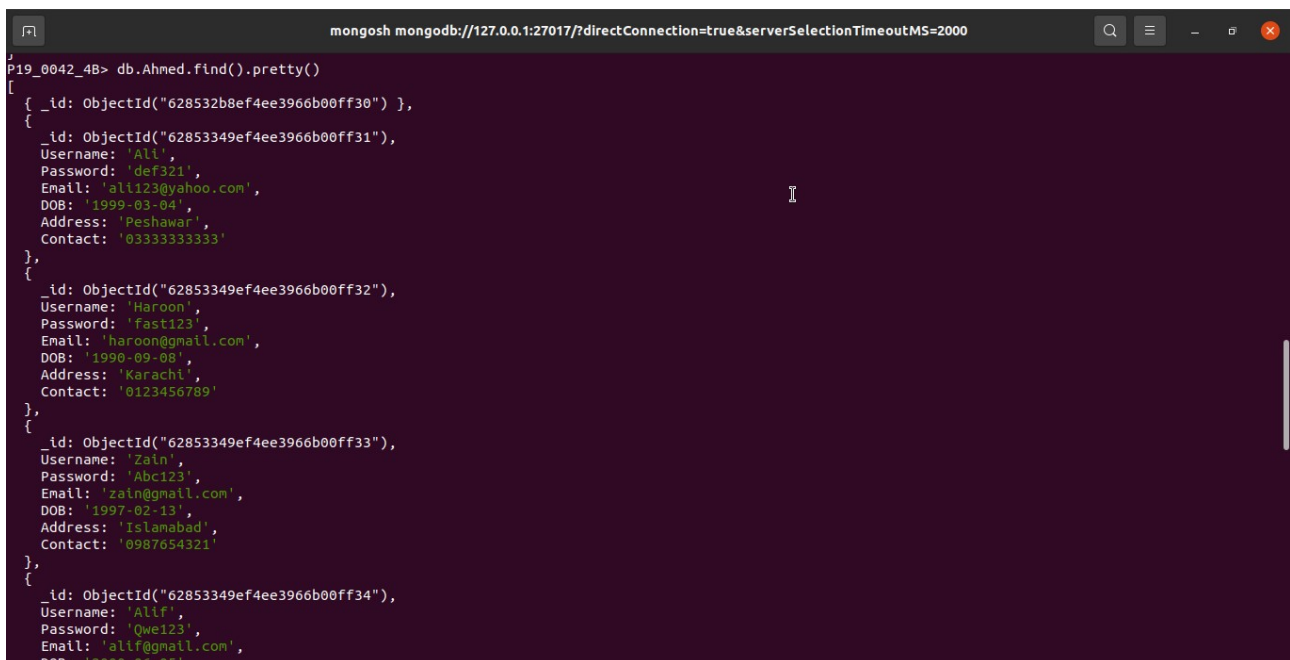
```
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("62853349ef4ee3966b00ff31"),
    '1': ObjectId("62853349ef4ee3966b00ff32"),
    '2': ObjectId("62853349ef4ee3966b00ff33"),
    '3': ObjectId("62853349ef4ee3966b00ff34"),
    '4': ObjectId("62853349ef4ee3966b00ff35")
  }
}
```

4. Show all users list using find command.

```
mongosh mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000

P19_0042_4B> db.Ahmed.find().pretty()
[
  { _id: ObjectId("628532b8ef4ee3966b00ff30") },
  {
    _id: ObjectId("62853349ef4ee3966b00ff31"),
    Username: 'Ali',
    Password: 'def321',
    Email: 'ali123@yahoo.com',
    DOB: '1999-03-04',
    Address: 'Peshawar',
    Contact: '03333333333'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff32"),
    Username: 'Haroon',
    Password: 'fast123',
    Email: 'haroon@gmail.com',
    DOB: '1990-09-08',
    Address: 'Karachi',
    Contact: '0123456789'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff33"),
    Username: 'Zain',
    Password: 'Abc123',
    Email: 'zain@gmail.com',
    DOB: '1997-02-13',
    Address: 'Islamabad',
    Contact: '0987654321'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff34"),
    Username: 'Alif',
    Password: 'Qwe123',
    Email: 'alif@gmail.com',
    DOB: '2000-06-05'
```

5. Show all users who lives in Islamabad.

```
P19_0042_4B> db.Ahmed.find({Address:"Islamabad"})
[
  {
    _id: ObjectId("62853349ef4ee3966b00ff33"),
    Username: 'Zain',
    Password: 'Abc123',
    Email: 'zain@gmail.com',
    DOB: '1997-02-13',
    Address: 'Islamabad',
    Contact: '0987654321'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff34"),
    Username: 'Alif',
    Password: 'Qwe123',
    Email: 'alif@gmail.com',
    DOB: '2000-06-05',
    Address: 'Islamabad',
    Contact: '0998766313'
  }
]
```

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

```
P19_0042_4B> db.Ahmed.find({Address:{$in:["Peshawar" , "Karachi"]}})
[
  {
    _id: ObjectId("62853349ef4ee3966b00ff31"),
    Username: 'Ali',
    Password: 'def321',
    Email: 'ali123@yahoo.com',
    DOB: '1999-03-04',
    Address: 'Peshawar',
    Contact: '03333333333'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff32"),
    Username: 'Haroon',
    Password: 'fast123',
    Email: 'haroon@gmail.com',
    DOB: '1990-09-08',
    Address: 'Karachi',
    Contact: '0123456789'
  },
  {
    _id: ObjectId("62853349ef4ee3966b00ff35"),
    Username: 'Noman',
    Password: 'def321',
    Email: 'noman@gmail.com',
    DOB: '1993-06-04',
    Address: 'Peshawar',
    Contact: '0312335678'
  }
]
P19_0042_4B>
```