

Name : Jawad Ahmed
Roll No : 20P-0165
Section : BCS-4A

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

```
test> use P20_0165_4A
switched to db P20_0165_4A
P20_0165_4A> █
```

2. Create a collection named users.

```
P20_0165_4A> db.createCollection('users')
{ ok: 1 }
P20_0165_4A> █
```

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

```
P20_0165_4A> db.users.insertMany([
... {username: 'Ali', password: 'def321', email: 'ali123@yahoo.com', DOB: '1996-03-04', Address: 'Peshawar', Contact: '+9233322233322'},
... {username: 'Haroon', password: 'fast123', email: 'haroon@gmail.com', Address: 'Karachi'},
... {username: 'Zain', password: 'Abc123', email: 'zain@gmail.com', DOB: '1997-02-13', Address: 'Islamabad'},
... {username: 'Atif', password: 'Qwe123', email: 'atif@gmail.com', Address: 'Islamabad', Contact: '+923139834276'},
... {username: 'Noman', password: 'def321', email: 'noman@gmail.com', DOB: '1996-03-04', Address: 'Peshawar', Contact: '+923349056432'}
... ]);
Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
{
  acknowledged: true,
  insertedIds: {
    '0': ObjectId("626f578524c359a21927d986"),
    '1': ObjectId("626f578524c359a21927d987"),
    '2': ObjectId("626f578524c359a21927d988"),
    '3': ObjectId("626f578524c359a21927d989"),
    '4': ObjectId("626f578524c359a21927d98a")
  }
}
P20_0165_4A> █
```

4. Show all users list using find command.

```
P20_0165_4A> db.users.find();
[
  {
    _id: ObjectId("626f578524c359a21927d986"),
    username: 'Ali',
    password: 'def321',
    email: 'ali123@yahoo.com',
    DOB: '1996-03-04',
    Address: 'Peshawar',
    Contact: '+9233322233322'
  },
  {
    _id: ObjectId("626f578524c359a21927d987"),
    username: 'Haroon',
    password: 'fast123',
    email: 'haroon@gmail.com',
    Address: 'Karachi'
  },
  {
    _id: ObjectId("626f578524c359a21927d988"),
    username: 'Zain',
    password: 'Abc123',
    email: 'zain@gmail.com',
    DOB: '1997-02-13',
    Address: 'Islamabad'
  },
  {
    _id: ObjectId("626f578524c359a21927d989"),
    username: 'Atif',
    password: 'Qwe123',
    email: 'atif@gmail.com',
    Address: 'Islamabad',
    Contact: '+923139834276'
  },
  {
    _id: ObjectId("626f578524c359a21927d98a"),
    username: 'Noman',
    password: 'def321',
    email: 'noman@gmail.com',
    DOB: '1996-03-04',
    Address: 'Peshawar',
    Contact: '+923349056432'
  }
]
P20_0165_4A> █
```

5. Show all users who lives in Islamabad.

```
P20_0165_4A> db.users.find({Address: 'Islamabad'});
[
  {
    _id: ObjectId("626f578524c359a21927d988"),
    username: 'Zain',
    password: 'Abc123',
    email: 'zain@gmail.com',
    DOB: '1997-02-13',
    Address: 'Islamabad'
  },
  {
    _id: ObjectId("626f578524c359a21927d989"),
    username: 'Atif',
    password: 'Qwe123',
    email: 'atif@gmail.com',
    Address: 'Islamabad',
    Contact: '+923139834276'
  }
]
P20_0165_4A> █
```

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

```
P20_0165_4A> db.users.find({Address: { $in: ["Peshawar", "Karachi"] } })
[
  {
    _id: ObjectId("626f578524c359a21927d986"),
    username: 'Ali',
    password: 'def321',
    email: 'ali123@yahoo.com',
    DOB: '1996-03-04',
    Address: 'Peshawar',
    Contact: '+9233322233322'
  },
  {
    _id: ObjectId("626f578524c359a21927d987"),
    username: 'Haroon',
    password: 'fast123',
    email: 'haroon@gmail.com',
    Address: 'Karachi'
  },
  {
    _id: ObjectId("626f578524c359a21927d98a"),
    username: 'Noman',
    password: 'def321',
    email: 'noman@gmail.com',
    DOB: '1996-03-04',
    Address: 'Peshawar',
    Contact: '+923349056432'
  }
]
P20_0165_4A> █
```