Saurav Rijal
LBM17CS140
24, September, 2020

BDA LAB-1

1) At first we need mongodb for our lab so, install mongodb.

2) Robo 3T is our IDE for the execution of command so we can also install it if we want to do in IDE.

3) Now, goto My computer >> Local Disk C >> programfiles >> mongodb >> Server >> 4.0 >> bin and copy the path URL.

4) Open command prompt, enter command CD ⟶ [the path or URL of Mongodb] and press enter.

~~5) After enter (Enter 'mongo') connection is being established with the server.~~

~~6) Now, you can~~

5) After the path has been changed enter `mongo` command to see whether connection is being established with server or not.

6) Now, you can enter command such as use myDB, db, show dbs, etc in command prompt.

7) Now, for next. if you want to do with Robo3T, open Robo 3T

8) Next step is click on Create which leads to connection with the Mongo server.

9) Give the name of the new connection being established as 'BMS140' and save.

10) Now, Right click on `BMS140` and click open shell.

11) And, Inside that shell enter the command which you entered in command prompt before such as use myDB, db, show dbs, etc.

12) After writing each code you need to select that code and press run button in the IDE.

Saurav Rijal
IBM17CS140
24th September, 2020

Q.1. College Database

» Use college

~~db.~~

Creation of college.

```
db. createCollection ("student");
{ "ok":1 }
db createCollection (" faculty");
{"ok" :1}
db. createcollection ("COE");
{"ok": 1}
db. createCollection ("library");
{ "ok" :1}
db. createCollection ("Admission");
{ "ok" :1}
db. createCollection (" Festival");
{"ok" :1}
```

Inserting into student

```
> db. student. insert ({ _id: 1, studName: "Saurav", USN:
     "IBM17CS140", email: "saurav.cs17@bmsce.ac.in", sem:"7"})
```

Inserting into faculty

```
> db. faculty.insert ({ _fid:1 , fname: "Selva", dept: "CSE", email:
     "selva@bmsce.ac.in", subject: "web"});
```

Saurav Rijal
1BM17CS40

Inserting into CoE.

```
> db. CoE. Insert ({_eid: 1, Name : "Ramu", Dept : "CSE",
    email : "ramu@bmsce.ac.in"});
```

Inserting into Admission

```
> db. Admission. insert ({_aid : 1, Fname: "Saurov", Type: "CSE",
    Place : "Nepal"});
```

Inserting into Library

```
> db. Library. Insert ({_id: 1, Bookname : "Sherlock", Booknum : "1",
    Author : "Canon Doyle", Domain : "Stories", noofcopies : "6"});
```

inserting into Festival

```
> db. Festival. insert ({_fid: 1, Fname : "Reversecoding", Ftype : "Academia",
    dept : "CSE", coordinator : "Hritik"});
```

Finding queries.

```
> db. CoE. find ({Name : "Ramu"});
→ {"_eid": 1, "Name": "Ramu", "Dept": "CSE", "email": "ramu@
                                              bmsce.ac.in"});
> db. Student. find ({ });
→ shows all the database with student table.
> db. Faculty. find({Type: "fon-frame : "Selva"});
→ {"_fid": 1, "fname": "Selva", "dept": "CSE", "email": "Selva@
                                    bmsce.ac.in", "subject": "web"});
```