MongoDB - LAB 1

Q1)

a) Create a database named **pets** in MongoDB Shell.

Ans=

```
test> use Pet
switched to db Pet
```

b) Create a collection named **mammals.**

Ans=

```
Pet> db.createCollection("mammals")
{ ok: 1 }
```

c) Insert some documents to the mammal's collection with fields petid,
 name and species. (Using insertOne())

```
Pet> db.mammals.insertOne({ petid: 1, name: "Fluffy", species: "dog" })
{
   acknowledged: true,
   insertedId: ObjectId("6516a737248b6acc3045af0d")
}
Pet> db.mammals.insertOne({ petid: 2, name: "Whiskers", species: "cat" })
{
   acknowledged: true,
   insertedId: ObjectId("6516a737248b6acc3045af0e")
}
Pet> db.mammals.insertOne({ petid: 3, name: "Buddy", species: "dog" })
{
   acknowledged: true,
   insertedId: ObjectId("6516a737248b6acc3045af0f")
}
```

d) Find all the mammals

Ans=

e) Find all the mammals with "dog" as their species

f) Create another capped collection named **owner** with maximum 10 documents.

Ans=

```
Pet> db.createCollection("owner", { capped:true, size:9192, max:10 })
{ ok: 1 }
Pet> db.owner.insertMany([ {
```

g) Insert some documents to the owner collection with fields ownerid, name, city, state and contact where contact is an embedded document containing fields email and mobile. (Using insertMany()).

Ans=

```
Pet> db.owner.insertMany([{ownerid:1,name:"John doe",city:"Toronto",state:"Ontario",contact:{email:"john@example.com",mobile:"90202200981"}},{ownerid:2,name:"Rafael",city:"LA",state:"California",contact:{email:"rafael@example.com",mobile:"7090303876"}}]) {
    acknowledged: true,
    insertedIds: {
        '0': ObjectId("6516ae04248b6acc3045af10"),
        '1': ObjectId("6516ae04248b6acc3045af11"),
        '2': ObjectId("6516ae04248b6acc3045af12")
}
```

h) Find all owners residing in a particular city and state.

i) Find a particular owner whose mobile is given

Ans=

j) Find owners whose email or mobile is given.