Name : Nikhil S Shasky

USN : 1BM17CS053

Lab batch : C1

1. Create company database with collections

```
> use company
> show dbs

db.createCollection ("department");

db.CreateCollection ("Employee");
db.Employee.insert ({_id:1, EmpName : "Ram", EID:"001",
                     Department :"Sales", Age = "31" });
db.Employee.insertOne ({_id : 2, EmpName :"Shyan", EID: 002",
                     Department :"HR", Ag = "45" });
db.Employee.insertMany ({_id :3, EmpName "Guru", EID 003,
                     Department : "SDE", Age = 51 },
                     {_id:4, EmpName : "Pldan", EID=004,
                     Departmet :"security", Ag =35 });


db.Department.insert ({_id:1, Name :"HR", deptNum : 1001}

db.Department.insertOne ({_id:2, Name:"Sales", deptNum: 1002}

db.Departmet.insertMany ({_id:3, Name :"Security", dept:1003},
                     {_id:4, Name :"Mangemt", dept :1004}
                     );
```

2. <u>Update :</u>

```
db.Employee.update ({_id : 1, Name : 'Nikhil' },
[$set :{Hobbies" :"chess" }}, $upsert :true});
```

3. Remove

```
db.Employee.update ({_id :1, Name :'Nikil' }
   {$unset : {$ "hobbies" :'chess' }}, upsert:c.
```

4. Select All

```
db.employee.find ({});
db.department.find ({});
```

5.
```
db.employee.find ({ department_num: {$ get ":
1000, "$ lt": 1005} }, {Name :true,
department-num : true });
```

6.
```
db.employee d.find ({age" : {$gt":30}});
```

7.
```
db.employee.find ({Name: {$regex:"^A"}});
```