BDA - Lab - 2

Konuru Tarun
1BM15CS136

Create company database with following collections

i) Employee

ii) Department

```
>use companyDB;
>db.createCollection("Employee");
>db.createCollection("Department");
```

1) Inserting documents to collections :-

```
>db.Employee.insert({_id:1, Name:"XYZ", Designation:"ABC",
  Salary:10000, Age:30, Dept_num:1004});
>db.Employee.update({_id:2, Name:"ABC", Designation:"PQR",
  Salary:50000, Age:35, Dept_num:1005}, {upsert:true});
>db.Employee.update({_id:2, Name:"ABC"}, {$set:{deptnum:1003}},
  {upsert:false});
>db.Employee.save({_id:3, Name:"Avinash", Designation:"MNO",
  Salary:40000, Age:40, Dept_num:1003});
```

2) update Employee to add new field.

```
>db.Employee.update({}, {$set:{Location:"Mumbai"}},
  {multi:true});
```

3) Remove a field from an existing document.

```
>db.Employe.update({_id:3},{$unset:{Location:"Mumbai"}});
```

4) Select all documents from both collections

```
>db.Employee.find({})
>db.Department.find({})
```

5) Select employee documents whose name begins with 'A'

```
>db.Employee.find({Name:/^A/});
```

6) Select only employee name & dept.no. whose dept. num falls between 1001 to 1005.

```
>db.Employee.find({dept_num:{$in:[1002,1003,1004]}},
    {Name:1,dept_num:1,_id:0});
```

7) Age > 30

```
>db.Employee.find({Age:{$gt 30}});
```