Shubha Suresh Patil
1BM18CS419
Batch: C3
Signature: shubhaSPatil
Date: 05/10/2020

LAB-02

(1) Creation of Employee Database:

(i)

```
>use company
>db.createCollection("Employee")
>db.Employee.insert({_id:1, EmpId:"SPA2020", Name:"Shubha",
    Dept:"Software Engineer", Age:"27"})

>db.Employee.update({_id: 2, EmpId:"SPA2021", Name:"Sushma",
    Dept:"HR"}, {$set:{"Age":30}, {upsert:true})

>db.Employee.save({_id:3, EmpId:"SPA2022", Name:"Shwetha",
    Dep:"Development", {$set:{"Age":32}}, {
    Age:"40"})
```

(ii)

```
>db.createCollection("Department")
>db.Department.insert({_id:1; DeptId:"D100", Name:"HR"})
>db.Department.update({_id:2; DeptId:"D101"}, {$set:{
    Name:"R&D"}}, {upsert:true})
>db.Department.save({_id:3, "DeptId:"D102", Name:"Research"})
```

(2) Updating Employee collection: adding DOJ field -

```
>db.Employee.update({_id:1}, {$set:{DOJ:"20/10/1999"}})
```

Removing DOJ field:

(3) `>db.Employee.update({_id:1}, {$unset:{DOJ:""}})`

Select all documents from both collections.

(4) `>db.Employee.find()`
`>db.Department.find()`

(5) Select empname and deptId whose dept no falls b/w D101 to 105.

```
>db.Department.find({DeptId:{"$gte":0101, "$lte":105}},
    {"Name":1, "DeptId:1, _id:0})
```

⑥ Select employee whose name starts with 'A'.

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

⑦ Select employee document whose age is greater than 3

> db.Employee.find({"Age":{"$gte":30}}).