

Mohammed Sufyan Aman

2110120

18M17CS049

BDA Lab 2

1) Create company database with following collections

i) Employee

ii) Department

=> use Company;
db;

db.createCollection("Employee")

db.createCollection("Department")

2) Insert 5 documents in each collection using 3 methods of insertion (Show update method using upsert = true & false)

=> db.Employee.insert({_id:1, EmpName:"Sufyan", Age:"30",
Exp:"3", Position:"Developer", Package:"10 lpa"}).

=> db.Employee.update({_id:3, EmpName:"Aman", Age:"40", Exp:"6",
Position:"Developer"}, {\$set:{Package:"7.6 lpa"}}, {upsert:true})

db.Employee.update({_id:4, EmpName:"Aman", Age:"40", Exp:"6",
Position:"Developer"}, {\$set:{Package:"7.6 lpa"}}, {upsert:false})

db.Employee.save({EmpName:"Jayanth", Age:"25", Exp:"2",
Position:"Intern"})

3) Remove a field from an existing document.

db.Employee.update({_id:3}, {\$unset:{YearJoin:"2017"}})

4) Update Employee to add new field to an existing document

```
=> db.Employee.update({-id:3},{ $set: {YearJoin: "2017"} });
```

5) Select all documents from both collections

```
db.Department.find().pretty();
```

```
db.Employee.find();
```

6) Select only head & department name whose department number falls b/w 1001 - 1005

```
=> db.Department.find({DepNo: { $gte: '1001', $lte: '1005' }},  
  {DepNo: 1, Head: 1, id: 0, DepName: 0, NoEmps: 0, Revenue: 0})
```

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

```
db.Employee.find({EmpName: /^A/}).pretty()
```

8) Select employee documents whose age is greater than 30

```
db.Employee.find({Age: { $gt: '30' }}).pretty()
```