

LAB -2

1. Create company database
use company

2. Collections - Employee, Department.

> company.

> db.createCollection("Employee")

> db.createCollection("Department")

3. Insert atleast 5 documents by 3 ways

1) db.Employee.insert({_id:1, deptno:1005,
name:"Diksha", age:20,
designation:"Manager",
salary:100000
});

2) db.Employee.update({_id:3},
{ \$set: { lastname: "Jain" } });

3) db.Employee.update({_id:5},
{ \$set: { lastname: "Giria" } },
{ \$upsert: { true } }
);

4. To add a new field to employee document

db.Employee.update({_id:4},
{ \$set: { location: "Bangalore" } }
);

5. Remove a field.

```
db.Employee.update({ _id: 3 },  
                    { $unset: { lastname: "Jain" } },  
                    );
```

6. Select all documents from both collections.

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

7. select only employee name and department number whose dept no falls between 1001 to 1005.

```
db.Employee.find({ deptno: { $gt: 1001, $lt: 1005 } },  
                  { name: 1, deptno: 1, id: 0 },  
                  );
```

8. select employees whose name begins with 'A'.

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

9. select employee whose age is greater than 30

```
db.Employee.find({ age: { $gt: 30 } }).pretty();
```