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Lab Batch:- C3

1. create company database with collections

```

> use company
> show dbs

```

db. createCollection("Employee");

```

db.Employee.insert({_id:1, EmpName: "Ram",
  EID: "001", Department: "Sales", DOB: "1 March 1990" Age: 31 1990});

```

```

db.Employee.insert({_id:2, EmpName: "Sam",
  EID: "002", Department: "Marketing",
  DOB: "15 March 1995" Age: 50});

```

```

db.Employee.insert({_id:3, EmpName: "Mary",
  EID: "003", Department: "Sales", DOB: "30 April 1985" Age: 60});

```

```

db.Employee.insertOne({_id:4, EmpName: "John",
  EID: "004", Department: "Marketing", Age: 70});

```

```

db.Employee.insertMany([ {_id:5, EmpName: "Alex",
  EID: "005", Department: "Sales", Age: 29},
  {_id:6, EmpName: "Bob", EID: "006",
  Department: "Tax", Age: 50}]);

```

db. create collection ("Department");

db. Department. insert ({ _id: 1, DepName: "Sales",
DeptID: "101", Floor: "4th floor",
NoOfEmp: "53" })

db. Department. insert ({ _id: 2, DepName: "Tax ~~sales~~",
DeptID: "102", Floor: "5th floor",
NoOfEmp: "60" })

db. Department. insert ({ _id: 3, DepName: "Mkt",
DeptID: "103", Floor: "5th floor",
NoOfEmp: "80" })

db. Department. insertOne ({ _id: 4, DepName: "Account",
DeptID: "105", Floor: "2th floor", NoOfEmp: "10" })

db. Department. insertMany ([{ _id: 5, DepName: "HR",
DeptID: "106", Floor: "9th floor",
NoOfEmp: "11" }, { _id: 6, DepName: "Mgmt",
DeptID: "106", Floor: "10th floor", NoOfEmp: "15" }])

2. update

db. employee. update ({ _id: 1, ^{emp}Name: "Ram" },
{ \$set: { hobbies: "Basketball" },
\$upsert: true });

3. Remove

```
db.employee.update({_id: 1, Name: "Ram" }  
  { $unset: { "hobbies: "basketball" } },  
  upsert: true );
```

4. Select all

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

5. db.employee.find { \$deptID : "\$dept" :
1000, "\$lt : 105 } }, \$Name: true,
DID: true });

6. db.employee.find ([Name: {\$regex: "^A"}):

7. db.employee.find ({ "age" : { "gt" : 30 } });