Lab - 2

To create company db:

> use Company

To create collections

> db.createCollection ("Employee")
> db.createCollection ("Department")

1) To insert

> db.Employee.insert ({id:1, Name: "ABE", Age:30, DeptId: 1001 });

> db.Employee.update ({id:2, Name: "LMN", $set: {Exp:23}, Age: 35, DeptId: 1003 }, { $set: { Age:32 }}, { upsert: true });

> db.Employee.save ({id:3, Name: "Arya", Age: 28, DeptId: 1006 });

2) db.Department.insert ({id:1, Name: "CSE", DeptId: 1001 });

> db.Department.insert ({id:2, Name: "ISE", DeptId: 1003 });

> db.Department.save ({id:3, Name: "ECE", DeptId: 1006 });

> db.Department.update ({id:4, Name: "ME", DeptId: 1005 }, { $set: { FloorNo: 4 }}, { upsert: True });

> db.Department.save ({id:5, Name: "IME", DeptId: 1002 });

> db.Employee.insert ({id:4, Name: "XYZ", Age: 48, DeptId: 1002 });

> db.Employee.insert ({id:5, Name: "Alyan", Age: 36, DeptId: 1005 });

2] Update

> db. Employee. update ({ Name : "ABC"},
{$set : {Exp : 5}}, {multi : true } });

3] db. Employee. remove ({ Age : {$ gt 40}});

4] Select all
> db. Employee. find(). pretty();
> db. Department. find(). pretty();

5] Select name & deptId whose dept. is
1001 to 1005.
> db. Employee. find ({ DeptId : {$range : [1001, 1006]}},
{ Name : 1, DeptId : 1 }). pretty();

6] Names beginning with 'A'.
> db. Employee. find ({ Name :/^a/}). pretty();

7] Age > 30
> db. Employee. find ({ Age : {$ gt 30}}). pretty();