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: "ABC", Age:30, DeptId: 1001});
> db.Employee.update({id:2, Name: "LMN", $set:{Exp:2}}, Age: 35, DeptId: 1003}, $set: {Age:32}}, {upsert: true});
> db.Employee.save({id:3, Name: "Arya", Age:28, DeptId: 1006});

> 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: "Aryan", 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();

3) To remove existing field.
> db.Employee.update ({ Name : "Arya"},
{ $unset : {"Exp" : " "}});