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Subject : BDA Lab

Lab2

Creating Collections

db. create Collection ("Department")
db. create Collection ("Employee")

Department Collection

db. Department insert ({_id :1, Name : "IT",
                            No of Emp : 200, HOD : "Ajay"})

db. Department update ({_id : 2, Name : "HR",
                            No of Emp : 100 },
                        { $set : { HOD : "Aditya"} },
                        { upsert : true } )

db. Department save ({_id : 3, Name : "Customer Division",
                            No of Emp : 300, HOD : "Akash"})

db. Department insert ({_id : 4, Name : "Sports", No of Emp : 150,
                            HOD : "Ravi"})

db. Department insert ({_id : 5, Name : "Operations",
                            No of Emp : 250, HOD : "Ugnesh"})

# Employee Collection

db.Employee.insert({_id:1, Name:"Yash", age:25, salary:120000, position:"CEO"})

db.Employee.update({_id:2, Name:"Anjen", age:21, salary:240000},
{$set:{position:"COO"}},
{upsert:true})

db.Employee.save({_id:3, Name:"Rahul", age:22, salary:350000, position:"CFO"})

db.Employee.insert({_id:4, Name:"Viren", age:30, salary:4500000, position:"CFO"})

db.Employee.insert({_id:5, Name:"Shreya", age:25, salary:500000, position:"Junior Associate"})

## Update to add new field in employee

db.Employee.update({_id:1}, {$set:{DepNum:1002}})

db.Employee.update({_id:2}, {$set:{DepNum:1007}})

db. Employee. update({ _id:3}, {$set:{DeptNum:1004}})

db. Employee. update({_id:4}, {$set:{DeptNum:1010}})

db. Employee. update({_id:5}, {$set:{DeptNum:1005}})

To remove a field

~~db. Employee. update({_id:3}, {$set:{age~~

db. Employee. update({_id:3}, {$unset:{age:30}})

To find all documents

db. Employee. find()
db. Department. find()

To select emp name and deptnum where
deptnum is between 1001 and 1005

db. Employee. find({DeptNum:{$gt:1000,
$lt:1006}},{name:1,

Deptnum:1})

find employee with name startup with A

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

find employee with age greater than 25

db.Employee.find({age:{$gt:25}})