

Name:- S. Sai Dileep

USN:- IBM17C5083

Lab No:- Lab 2

> Use Company DB;

> db;

> db. createCollection ("Employee");

> db. createCollection ("Department");

> db. Employee. insert { (-id:1, Name:"Sai Dileep", Age:21, Gender:"M",  
Salary:"100000", Dnum:101)}

> db. Employee. insert One { (-id:2, Name:"Ram", Age:22, Gender:"M",  
Salary:"110000", Dnum:102)}

> db. Employee. insert Many([ { -id:3, Name:"Sauravi", Age:22, Gender:"F",  
Salary:"100000", Dnum:103 }, { -id:4, Name:"Sita",  
Age:21, Gender:"F", Salary:"120000", Dnum:104 } ]).

> db. Department. insert ( { -id:1, DName:"Accounts", Dnum:101, Number of Emp:50,  
Number of Projects:20 } )

> db. Department. insert One { (-id:2, DName:"Marketing", Dnum:102, Number of Emp:40,  
Number of Projects:15)}

> db. Department. insert Many([ { -id:3, DName:"Software", Dnum:103, Number of Emp:30,  
Number of Projects:12 }, { -id:4, DName:"Hardware",  
Dnum:104, Number of Emp:10, Number of Projects:8 } ])

> db.Employee.update( { \_id: 5, Name: "Ravi", Age: 23, Gender: "M", Salary: 125000 },  
{ \$set: { Dnum: 105 } }, { upsert: true } );

> db.Employee.update( { \_id: 4 }, { \$set: { Dnum: 105 } }, { upsert: false } );

> db.Employee.find()

> db.Department.find()

> db.Employee.update( { \_id: 4 }, { \$unset: { Gender: "F" } } );

> db.Employee.find( { Age: { \$gt: 21 } } )

> db.Employee.find( { Name: /^R/ } )

> db.Employee.find( { Dnum: { \$gt: 101, \$lt: 104 } }, { Name: 1, Dnum: 1 } )