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> use company DB;

> db;

> db. createCollection ("Employee");

> db. createCollection ("Department");

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

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

> db.Employee.insertMany ( [ { -id: 3, Name: "Sani", 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.insertOne ( { -id: 2, DName: "Marketing", Dnum: 102, Number of Emp: 40, Number of projects: 15 } )

> db.Department.insertMany ( [ { -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: 121})
- > db.Employee.find({Dnum: {\$gt: 101}, \$lt: 104}, {Name: 1, Dnum: 1})