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Starting MongoDB and Creating Database

```
mongo

use lab

show dbs
```

```
> use lab
switched to db lab
> db
lab
> show dbs
admin    0.000GB
config   0.000GB
local    0.000GB
test     0.000GB
vansh    0.000GB
```

Creating collection

```
db.createCollection("mycollection")

show collections
```

```
> db.createCollection("mycollection")
{ "ok" : 1 }
> show collections
mycollection
```

Inserting values in MongoDB

```
db.lab.insertOne( ... { ... First_Name: "Radhika", ... Last_Name: "Sharma", ...
Date_Of_Birth: "1995-09-26", ... e_mail: "radhika_sharma.123@gmail.com", ... phone:
"9848022338" ... })
```

```
> db.lab.insertOne(
... {
... First_Name: "Radhika",
... Last_Name: "Sharma",
... Date_Of_Birth: "1995-09-26",
... e_mail: "radhika_sharma.123@gmail.com",
... phone: "9848022338"
... })
{
        "acknowledged" : true,
        "insertedId" : ObjectId("624572585ffa4ae577282eb0")
}
```

```
db.empDetails.insertMany( ... [ ... { ... First_Name: "Radhika", ... Last_Name: "Sharma", ...
Date_Of_Birth: "1995-09-26", ... e_mail: "radhika_sharma.123@gmail.com", ... phone:
"9000012345" ... }, ... { ... First_Name: "Rachel", ... Last_Name: "Christopher", ...
Date_Of_Birth: "1990-02-16", ... e_mail: "Rachel_Christopher.123@gmail.com", ... phone:
"9000054321" ... }, ... { ... First_Name: "Sohan", ... Last_Name: "Sharma", ...
Date_Of_Birth: "1995-09-26", ... e_mail: "sohan_sharma@gmail.com", ... phone:
"9000054321" ... } ... ])
```

```
> db.empDetails.insertMany(
... [
... {
... First_Name: "Radhika",
... Last_Name: "Sharma",
... Date_Of_Birth: "1995-09-26",
... e_mail: "radhika_sharma.123@gmail.com",
... phone: "9000012345"
... },
... {
... First_Name: "Rachel",
... Last_Name: "Christopher",
... Date_Of_Birth: "1990-02-16",
... e_mail: "Rachel_Christopher.123@gmail.com",
... phone: "9000054321"
... },
... {
... First_Name: "Sohan",
... Last_Name: "Sharma",
... Date_Of_Birth: "1995-09-26",
... e_mail: "sohan_sharma@gmail.com",
... phone: "9000054321"
... }
... ])
{
        "acknowledged" : true,
        "insertedIds" : [
                ObjectId("624573025ffa4ae577282eb1"),
                ObjectId("624573025ffa4ae577282eb2"),
                ObjectId("624573025ffa4ae577282eb3")
        ]
```

Retrieve the data

db.lab.find() { "_id" : ObjectId("624572585ffa4ae577282eb0"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "radhika_sharma.123@gmail.com", "phone" : "9848022338" }

db.empDetails.find() { "_id" : ObjectId("624573025ffa4ae577282eb1"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "radhika_sharma.123@gmail.com", "phone" : "9000012345" } { "_id" : ObjectId("624573025ffa4ae577282eb2"), "First_Name" : "Rachel", "Last_Name" : "Christopher", "Date_Of_Birth" : "1990-02-16", "e_mail" : "Rachel_Christopher.123@gmail.com", "phone" : "9000054321" } { "_id" : ObjectId("624573025ffa4ae577282eb3"), "First_Name" : "Sohan", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "sohan_sharma@gmail.com", "phone" : "9000054321" }

```
> db.lab.find()
{ "_id" : ObjectId("624572585ffa4ae577282eb0"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "
radhika_sharma.123@gmail.com", "phone" : "9848022338" }
> db.empDetails.find()
{ "_id" : ObjectId("624573025ffa4ae577282eb1"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "
radhika_sharma.123@gmail.com", "phone" : "9000012345" }
{ "_id" : ObjectId("624573025ffa4ae577282eb2"), "First_Name" : "Rachel", "Last_Name" : "Christopher", "Date_Of_Birth" : "1990-02-16", "e_mail"
 : "Rachel_Christopher.123@gmail.com", "phone" : "9000054321" }
{ "_id" : ObjectId("624573025ffa4ae577282eb3"), "First_Name" : "Sohan", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "so
han_sharma@gmail.com", "phone" : "9000054321" }
```

Update

db.empDetails.updateOne(... {First_Name: 'Radhika'}, ... { $set: { Age: '30',e_mail: 'radhika_newemail@gmail.com'}} ...)

db.empDetails.updateMany(... {Age:{ $gt: "25" }}, ... { $set: { Age: '00'}} ...)

db.empDetails.find() { "_id" : ObjectId("624573025ffa4ae577282eb1"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "radhika_newemail@gmail.com", "phone" : "9000012345", "Age" : "00" } { "_id" : ObjectId("624573025ffa4ae577282eb2"), "First_Name" : "Rachel", "Last_Name" : "Christopher", "Date_Of_Birth" : "1990-02-16", "e_mail" : "Rachel_Christopher.123@gmail.com", "phone" : "9000054321" } { "_id" : ObjectId("624573025ffa4ae577282eb3"), "First_Name" : "Sohan", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "sohan_sharma@gmail.com", "phone" :"9000054321"}

```
> db.empDetails.updateOne(
... {First_Name: 'Radhika'},
... { $set: { Age: '30',e_mail: 'radhika_newemail@gmail.com'}}
... )
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 0 }
> db.empDetails.updateMany(
... {Age:{ $gt: "25" }},
... { $set: { Age: '00'}}
... )
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.empDetails.deleteMany({"Last_name":"Sharma"})
{ "acknowledged" : true, "deletedCount" : 0 }
> db.EmpDetails.find()
> db.empDetails.find()
{ "_id" : ObjectId("624573025ffa4ae577282eb1"), "First_Name" : "Radhika", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "
radhika_newemail@gmail.com", "phone" : "9000012345", "Age" : "00" }
{ "_id" : ObjectId("624573025ffa4ae577282eb2"), "First_Name" : "Rachel", "Last_Name" : "Christopher", "Date_Of_Birth" : "1990-02-16", "e_mail"
 : "Rachel_Christopher.123@gmail.com", "phone" : "9000054321" }
{ "_id" : ObjectId("624573025ffa4ae577282eb3"), "First_Name" : "Sohan", "Last_Name" : "Sharma", "Date_Of_Birth" : "1995-09-26", "e_mail" : "so
han_sharma@gmail.com", "phone" : "9000054321" }
```

Delete

db.empDetails.deleteOne({"lastname":"sharma"})
db.empDetails.deleteMany({"Age":"0"})