

NAMA : NISA NADILA

NIM : 17050623012

PRODI : D3 MANAJEMEN INFORMATIKA

MATA KULIAH : BASIS DATA LANJUT

→ INSERT ONE

```
C:\Windows\system32\cmd.exe - mongo
local 0.000GB
> db.fruit.insert([{ item:"mango", qty:20, size:{w:15, uom:"kg"}, type:"A"}]);
BulkWriteResult({
  "writeErrors" : [ ],
  "writeConcernErrors" : [ ],
  "nInserted" : 1,
  "nUpserted" : 0,
  "nMatched" : 0,
  "nModified" : 0,
  "nRemoved" : 0,
  "upserted" : [ ]
})
>
```

→ INSERT MANY

```
C:\Windows\system32\cmd.exe - mongo
> db.fruit.insertMany([ { item:"apple", qty:25, size:{w:10, uom:"kg"}, type:"A"}, { item:"strawberry", qty:50, size:{w:10, uom:"kg"}, type:"B"},
{ item:"durian", qty:1, size:{w:2, uom:"kg"}, type:"A"}, { item:"kiwi", qty:10, size:{w:5, uom:"kg"}, type:"C"}]);
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5ca3a190b89989c9b398b6c6"),
    ObjectId("5ca3a190b89989c9b398b6c7"),
    ObjectId("5ca3a190b89989c9b398b6c8"),
    ObjectId("5ca3a190b89989c9b398b6c9")
  ]
}
>
```

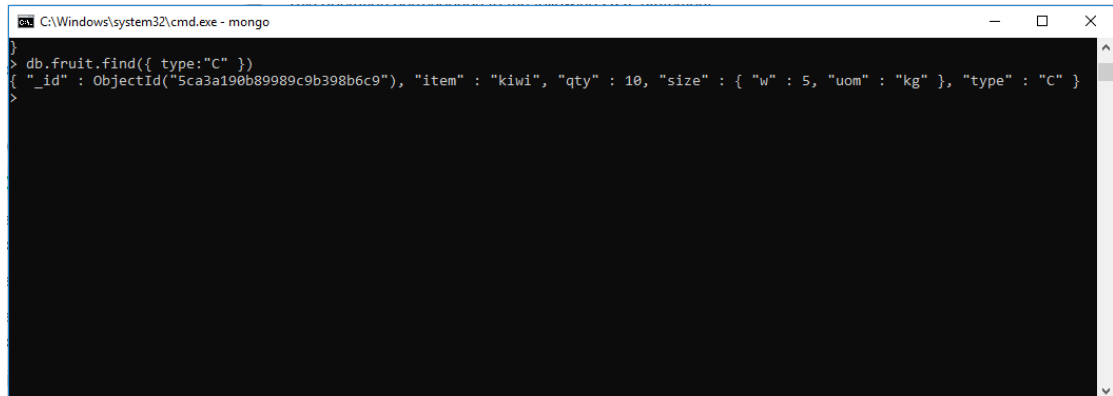
→ QUERY FIND

```
> db.fruit.find({})
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c6"), "item" : "apple", "qty" : 25, "size" : { "w" : 10, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c7"), "item" : "strawberry", "qty" : 50, "size" : { "w" : 10, "uom" : "kg" }, "type" : "B" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c8"), "item" : "durian", "qty" : 1, "size" : { "w" : 2, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "C" }
>
```

→ QUERY FIND UNTUK MENAMPILKAN TYPE A DAN C

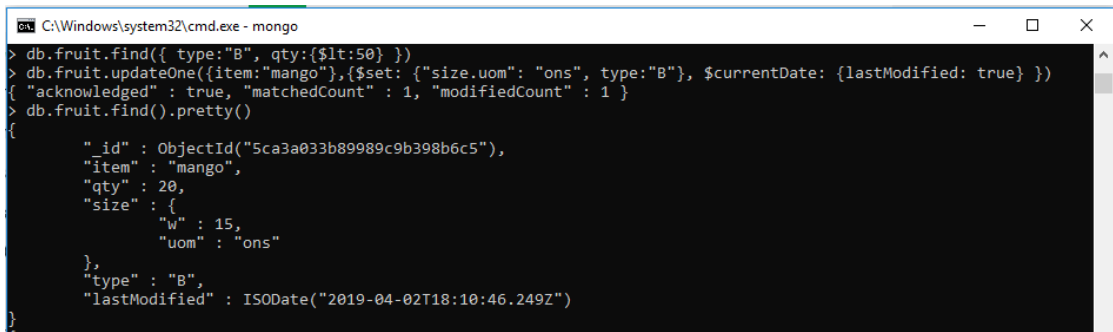
```
> db.fruit.find( { type: { $in: [ "A", "C" ] } } )
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c6"), "item" : "apple", "qty" : 25, "size" : { "w" : 10, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c8"), "item" : "durian", "qty" : 1, "size" : { "w" : 2, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "C" }
```

→ QUERY FIND UNTUK MENAMPILKAN TYPE C



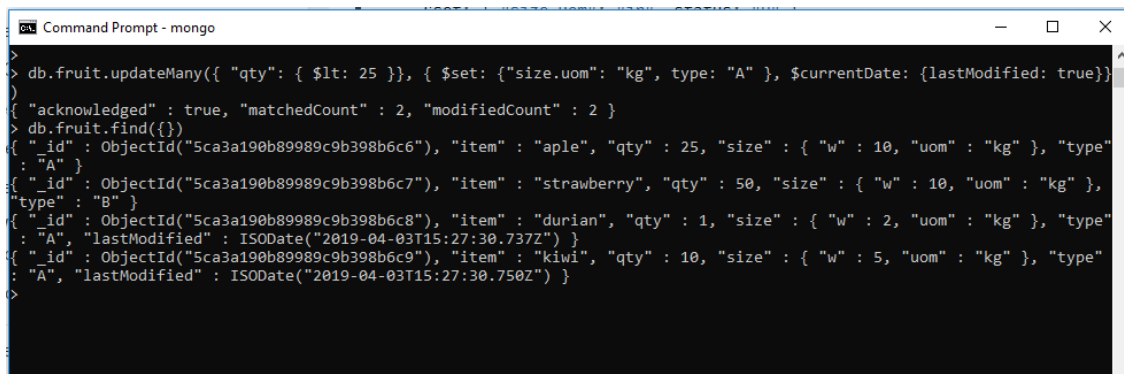
```
C:\Windows\system32\cmd.exe - mongo
> db.fruit.find({ type:"C" })
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "C" }
```

→ UPDATE ONE



```
C:\Windows\system32\cmd.exe - mongo
> db.fruit.find({ type:"B", qty:{ $lt:50 } })
> db.fruit.updateOne({item:"mango"},{$set: {"size.uom": "ons", type:"B"}, $currentDate: {lastModified: true}})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.fruit.find().pretty()
{
  "_id" : ObjectId("5ca3a033b89989c9b398b6c5"),
  "item" : "mango",
  "qty" : 20,
  "size" : {
    "w" : 15,
    "uom" : "ons"
  },
  "type" : "B",
  "lastModified" : ISODate("2019-04-02T18:10:46.249Z")
}
```

→ UPDATE MANY



```
Command Prompt - mongo
> db.fruit.updateMany({ "qty": { $lt: 25 }, { $set: {"size.uom": "kg", type: "A" }, $currentDate: {lastModified: true}})
{ "acknowledged" : true, "matchedCount" : 2, "modifiedCount" : 2 }
> db.fruit.find({})
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c6"), "item" : "apple", "qty" : 25, "size" : { "w" : 10, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c7"), "item" : "strawberry", "qty" : 50, "size" : { "w" : 10, "uom" : "kg" }, "type" : "B" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c8"), "item" : "durian", "qty" : 1, "size" : { "w" : 2, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.737Z") }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.750Z") }
```

→ DELETE ONE

```
C:\Windows\system32\cmd.exe - mongo
> db.fruit.deleteOne({type: "B"})
{ "acknowledged" : true, "deletedCount" : 1 }
>
```

→ DELETE MANY

```
Command Prompt - mongo
> db.fruit.find({})
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c6"), "item" : "apple", "qty" : 25, "size" : { "w" : 10, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c7"), "item" : "strawberry", "qty" : 50, "size" : { "w" : 10, "uom" : "kg" }, "type" : "B" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c8"), "item" : "durian", "qty" : 1, "size" : { "w" : 2, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.737Z") }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.750Z") }
{ "_id" : ObjectId("5ca4d30a11f21a7d8d96016a"), "fruit" : "papaya", "qty" : 20, "size" : { "w" : 20, "uom" : "kg" }, "type" : "B" }
> db.fruit.deleteMany({ type:"B"})
{ "acknowledged" : true, "deletedCount" : 2 }
> db.fruit.find({})
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c6"), "item" : "apple", "qty" : 25, "size" : { "w" : 10, "uom" : "kg" }, "type" : "A" }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c8"), "item" : "durian", "qty" : 1, "size" : { "w" : 2, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.737Z") }
{ "_id" : ObjectId("5ca3a190b89989c9b398b6c9"), "item" : "kiwi", "qty" : 10, "size" : { "w" : 5, "uom" : "kg" }, "type" : "A", "lastModified" : ISODate("2019-04-03T15:27:30.750Z") }
>
```