# Tugas mongoDB CRUD sytax

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### **Insert a Single Document**

### db.collection.insertOne()

### **Insert Multiple Documents**

### db.collection.insertMany()

### **Update a Single Document**

### db.collection.updateOne()

```
> db.dbinven.updateOne(
... { item: "samsung j5" },
... {
... $set: { "size.uom": "in", status: "P" },
... $currentDate: { lastModified: true }
... }
... )
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
```

# **Update Multiple Documents**

### db.collection.updateMany()

#### **Replace a Document**

# db.collection.replaceOne()

```
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```

#### **Select All Documents in a Collection**

In no sql : db.inventory.find( {} )

In mysql : SELECT \* FROM inventory

```
> db.dbinven.find( {} )
{ "_id" : ObjectId("5ca42b675a49962cd912d60d"), "item" : "samsung j2", "instock" : [ { "
warehouse" : "A", "qty" : 60 }, { "warehouse" : "B", "qty" : 40 } ] }
{ "_id" : ObjectId("5ca42ff65a49962cd912d60e"), "item" : "samsung a10", "qty" : 100, "ta
gs" : [ "blue" ], "size" : { "h" : 6.5, "w" : 21 } }
{ "_id" : ObjectId("5ca42ff65a49962cd912d60f"), "item" : "samsung z10", "qty" : 85, "tag
s" : [ "gray" ], "size" : { "h" : 6.5, "w" : 19, "uom" : "in" }, "status" : "P", "lastMo
dified" : ISODate("2019-04-03T04:22:29.477z") }
{ "_id" : ObjectId("5ca42ff65a49962cd912d610"), "item" : "samsung j5", "qty" : 75, "tags
" : [ "white" ], "size" : { "h" : 6, "w" : 20, "uom" : "in" }, "status" : "P", "lastModi
fied" : ISODate("2019-04-03T04:31:18.132z") }
>
```

## **Specify Equality Condition**

# **Specify AND Conditions**

```
In no sql: db.inventory.find( { status: "P", qty: { $lt: 85 } })
```

In mysql: SELECT \* FROM inventory WHERE status = "P" AND qty < 85

```
db.dbinven.find( { status: "P", qty: { $1t: 85 } } )
{ "_id": ObjectId("5ca42ff65a49962cd912d610"), "item": "samsung j5", "qty": 75, "tage
" : [ "white" ], "size" : { "h" : 6, "w" : 20, "uom": "in" }, "status": "P", "lastModefied": ISODate("2019-04-03T04:31:18.132Z") }
>
```

### **Match an Embedded/Nested Document**

db.inventory.find( { size: { h: 6.5, w: 19, uom: "in" } })

```
> db.dbinven.find( {    size: {        h: 6.5,        w: 19,        uom: "in" }       } )
{ "_id" : ObjectId("5ca42ff65a49962cd912d60f"), "item" : "samsung z10", "qty" : 85, "tag
s" : [ "gray" ], "size" : { "h" : 6.5, "w" : 19, "uom" : "in" }, "status" : "P", "lastMo
dified" : ISODate("2019-04-03T04:22:29.477z") }
>
```

# **Query on Nested Field**

Specify Equality Match on a Nested Field

```
> db.dbinven.find(`{ "size.uom": "in" } )
{ "_id" : ObjectId("5ca42ff65a49962cd912d60f"), "item" : "samsung z10", "qty" : 85, "tag
s" : [ "gray" ], "size" : { "h" : 6.5, "w" : 19, "uom" : "in" }, "status" : "P", "lastMod
dified" : ISODate("2019-04-03T04:22:29.477Z") }
{ "_id" : ObjectId("5ca42ff65a49962cd912d610"), "item" : "samsung j5", "qty" : 75, "tags
" : [ "white" ], "size" : { "h" : 6, "w" : 20, "uom" : "in" }, "status" : "P", "lastModi
fied" : ISODate("2019-04-03T04:31:18.132Z") }
>
```