```
winius     rvvovoo
> use productDB
switched to db productDB
> db.product.insertOne({pid: 1, pname: "Name1", ptype: "AAA", pricdb.product.insertOne({pid: 1, pname: "Name1", ptype: "AAA", pricdb.product.insertOne({pid
: 1, pname: "Name1", ptype: "AAA", pricdb.product.insertOne({pid: 1, pname: "Name1", ptype: "AAA", pricdb.product.insertOne({pid: 1, pname: "Name1", ptype:
 "AAA", pricdb.product.insertOne({pid: 1, pname: "Name1", ptype: "AAA", pricdb.product.insertOne(db.product.insertOne({pid: 1, pname: "Name1", ptype: "AAA"
, price: 100, manufacturer: "AA", stockqty: 25, tax: {cgst: 0, sgst: 0}})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("644972e55e4538b110bb35a2")
}
> db.product.find()
{ "_id" : ObjectId("644972e55e4538b110bb35a2"), "pid" : 1, "pname" : "Name1", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 25, "tax"
 : { "cgst" : 0, "sgst" : 0 } }
> db.product.insertOne({pid: 2, pname: "Name12", ptype: "AAAB", price: 100, manufacturer: "AAB", stockqty: 25, tax: {cgst: 0, sgst: 0}})
{
        "acknowledged" : true,
        "insertedId" : ObjectId("644973c25e4538b110bb35a3")
}
> db.product.find()
{ "_id" : ObjectId("644972e55e4538b110bb35a2"), "pid" : 1, "pname" : "Name1", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 25, "tax"
 : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a3"), "pid" : 2, "pname" : "Name12", "ptype" : "AAAB", "price" : 100, "manufacturer" : "AAB", "stockqty" : 25, "t
ax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a4"), "pid" : 3, "pname" : "Name13", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a5"), "pid" : 4, "pname" : "Name14", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "t
ax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a6"), "pid" : 5, "pname" : "Name15", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a7"), "pid" : 6, "pname" : "Name16", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 25, "tax
" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a8"), "pid" : 7, "pname" : "Name17", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" : 25, "
tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35a9"), "pid" : 8, "pname" : "Name18", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" : 25, "
tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35aa"), "pid" : 9, "pname" : "Name19", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c45e4538b110bb35ab"), "pid" : 10, "pname" : "Name20", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "t
ax" : { "cgst" : 0, "sgst" : 0 } }
>
> db.product.find({price: {$gt: 500}})
{ "_id" : ObjectId("644973c25e4538b110bb35a4"), "pid" : 3, "pname" : "Name13", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a5"), "pid" : 4, "pname" : "Name14", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "t
ax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a6"), "pid" : 5, "pname" : "Name15", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a8"), "pid" : 7, "pname" : "Name17", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" : 25, "
tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35a9"), "pid" : 8, "pname" : "Name18", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" : 25, "
tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35aa"), "pid" : 9, "pname" : "Name19", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "ta
x" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c45e4538b110bb35ab"), "pid" : 10, "pname" : "Name20", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 25, "t
ax" : { "cgst" : 0, "sgst" : 0 } }
> db.product.aggregate([{$group: {_id: "$ptype", "count": {$sum:1} }}])
{ "_id" : "AAA", "count" : 6 }
{ "_id" : "AAAB", "count" : 4 }
```

```
> db.product.updateMany({"stockqty": 25}, {$inc: {"stockqty": 1}})
{ "acknowledged" : true, "matchedCount" : 10, "modifiedCount" : 10 }
> db.product.find()
{ "_id" : ObjectId("644972e55e4538b110bb35a2"), "pid" : 1, "pname" : "Name1
", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 26,
"tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a3"), "pid" : 2, "pname" : "Name1
2", "ptype" : "AAAB", "price" : 100, "manufacturer" : "AAB", "stockqty" : 2
6, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a4"), "pid" : 3, "pname" : "Name1
3", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 26
, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a5"), "pid" : 4, "pname" : "Name1
4", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AA", "stockqty" : 2
6, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a6"), "pid" : 5, "pname" : "Name1
5", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 26
, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a7"), "pid" : 6, "pname" : "Name1
6", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 26,
 "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a8"), "pid" : 7, "pname" : "Name1
7", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" :
26, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35a9"), "pid" : 8, "pname" : "Name1
8", "ptype" : "AAAB", "price" : 1000, "manufacturer" : "AAB", "stockqty" :
26, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c35e4538b110bb35aa"), "pid" : 9, "pname" : "Name1
9", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 26
, "tax" : { "cgst" : 0, "sgst" : 0 } }
{ "_id" : ObjectId("644973c45e4538b110bb35ab"), "pid" : 10, "pname" : "Name
20", "ptype" : "AAA", "price" : 1000, "manufacturer" : "AA", "stockqty" : 2
6, "tax" : { "cgst" : 0, "sgst" : 0 } }
> db.product.updateMany({}, {$set: {"tax.cgst": 0.18}})
{ "acknowledged" : true, "matchedCount" : 10, "modifiedCount" : 10 }
> db.product.updateMany({}, {$set: {"tax.sgst": 0.18}})
{ "acknowledged" : true, "matchedCount" : 10, "modifiedCount" : 10 }
> db.product.find().limit(2)
{ "_id" : ObjectId("644972e55e4538b110bb35a2"), "pid" : 1, "pname" : "Name1
", "ptype" : "AAA", "price" : 100, "manufacturer" : "AA", "stockqty" : 26,
"tax" : { "cgst" : 0.18, "sgst" : 0.18 } }
{ "_id" : ObjectId("644973c25e4538b110bb35a3"), "pid" : 2, "pname" : "Name1
2", "ptype" : "AAAB", "price" : 100, "manufacturer" : "AAB", "stockqty" : 2
6, "tax" : { "cgst" : 0.18, "sgst" : 0.18 } }
```

```
> db.product.find({"stockqty" : 0})
> db.product.deleteMany({"stockqty" : 0})
{ "acknowledged" : true, "deletedCount" : 0 }
> db.product.find().limit(2).pretty()
{
        "_id" : ObjectId("644972e55e4538b110bb35a2"),
        "pid" : 1,
        "pname" : "Name1",
        "ptype" : "AAA",
        "price" : 100,
        "manufacturer" : "AA",
        "stockqty" : 26,
        "tax" : {
                "cgst" : 0.18,
                "sgst" : 0.18
        }
}
{
        "_id" : ObjectId("644973c25e4538b110bb35a3"),
        "pid" : 2,
        "pname" : "Name12",
        "ptype" : "AAAB",
        "price" : 100,
        "manufacturer" : "AAB",
        "stockqty" : 26,
        "tax" : {
                "cgst" : 0.18,
                "sgst" : 0.18
        }
}
>
```