1A)

db.purchases.find( { OrderID : "46653" } )

1B)

Leanos

1C)

SELECT CustonerLname FROM tblPURCHASES

WHERE OrderID = ‘46653’

2A)

db.purchases.find( { $or: [{OrderID: "29889"}, {OrderID: "48127"}, {OrderID: "40427"}] })

3A)

db.purchases.find( { "Customer.CustomerZIP": 56343 } ).count()

4A)

db.purchases.find( { "LineItems": {$size: 2} } )

4B)

db.purchases.find( { “LineItems”: {$size: 10}, “LineItems.ProductSubTypeName”: “Cofee Makers” } )

4C)

It still returns records because the query runs the first condition that is greater than 200 and then runs the less than 100, returning both of the results.

4D)

db.purchases.find( { "LineItems": {$size: 1}, "LineItems.ProductPrice": {$gt: 1000}} )

4E)

db.purchases.find( { "LineItems": { $elemMatch: {"Quantity": {$gt:5, $lt:9}}}})

5A)

db.purchases.find( {OrderID : "46653" }, {OrderDate:0})

6A)

db.purchases.distinct("Customer.CustomerState")

6B)

db.purchases.distinct("LineItems.ProductSubTypeName")

6C)

It returns the list of all states with orders that have exactly 17 line items

7A)

It returns the count of purchases that was bought after 4/2/2018

7B)

db.purchases.find( {"OrderDate" : {"$gt" : new ISODate("2018-04-02"), "$lt" : new ISODate("2018-04-03")}}).count()

7C)

db.purchases.find( {"OrderDate" : {"$gt" : new ISODate("2018-04-02"), "$lt" : new ISODate("2018-04-03")}, "LineItems.ProductName" : "Earl Grey Filterbag Tea" } ).count()