**WEEK 10– NO SQL Lab 2**

**(Tuesday, 24-01-2023)**

**Perform the following DB operations using MongoDB.**

* **Create a collection by name Customers with the following attributes Cust\_id, Acc\_Bal, Acc\_Type.**

db.createCollection("Customer");



* **Insert at least 5 values into the table**

db.Customer.insert({Cust\_id:1,Acc\_bal:2000,Acc\_type:"Z"});

db.Customer.insert({Cust\_id:2,Acc\_bal:1000,Acc\_type:"Z"});

db.Customer.insert({Cust\_id:3,Acc\_bal:1500,Acc\_type:"A"});

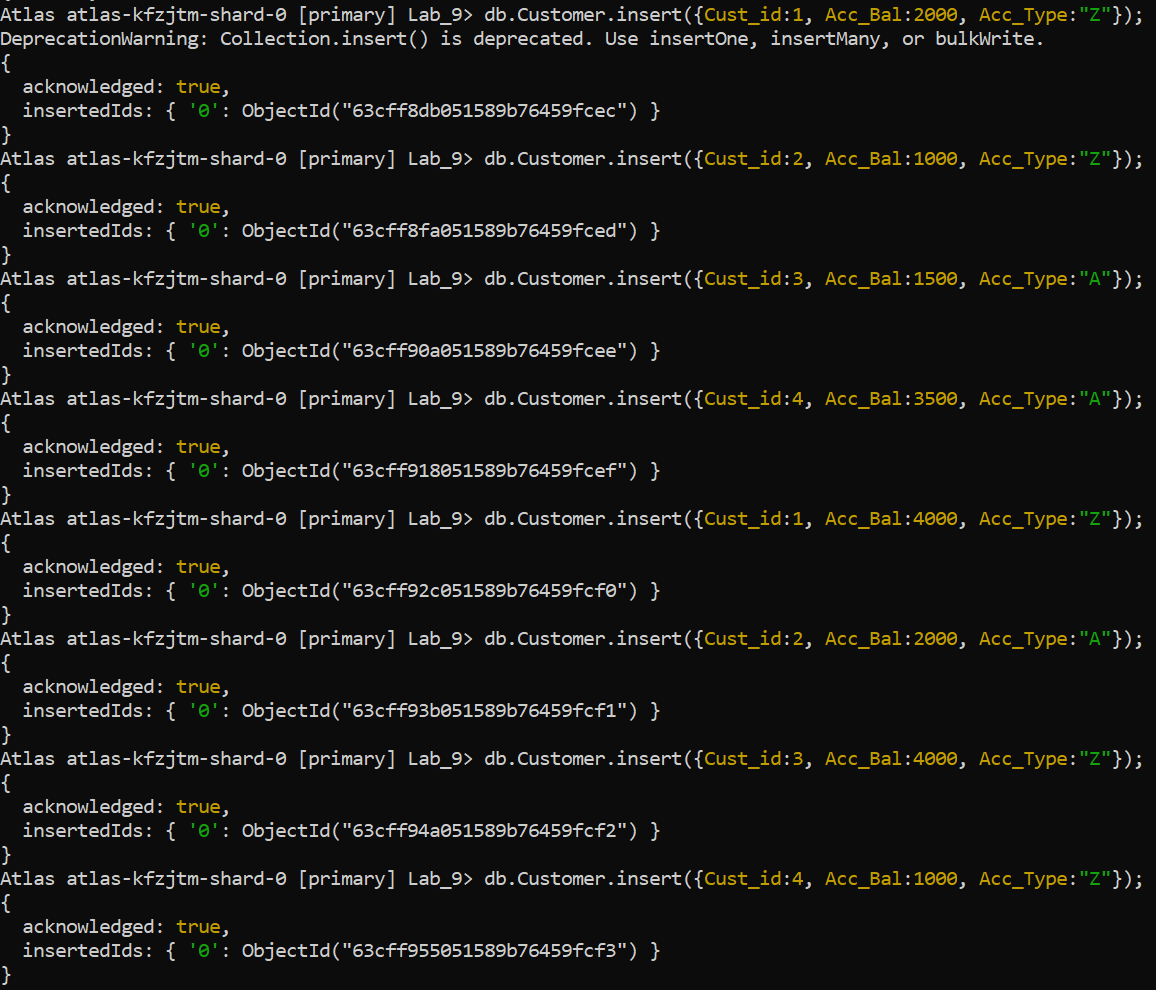
db.Customer.insert({Cust\_id:4,Acc\_bal:3500,Acc\_type:"A"});

db.Customer.insert({Cust\_id:1,Acc\_bal:4000,Acc\_type:"Z"});

db.Customer.insert({Cust\_id:2,Acc\_bal:2000,Acc\_type:"A"});

db.Customer.insert({Cust\_id:3,Acc\_bal:4000,Acc\_type:"Z"});

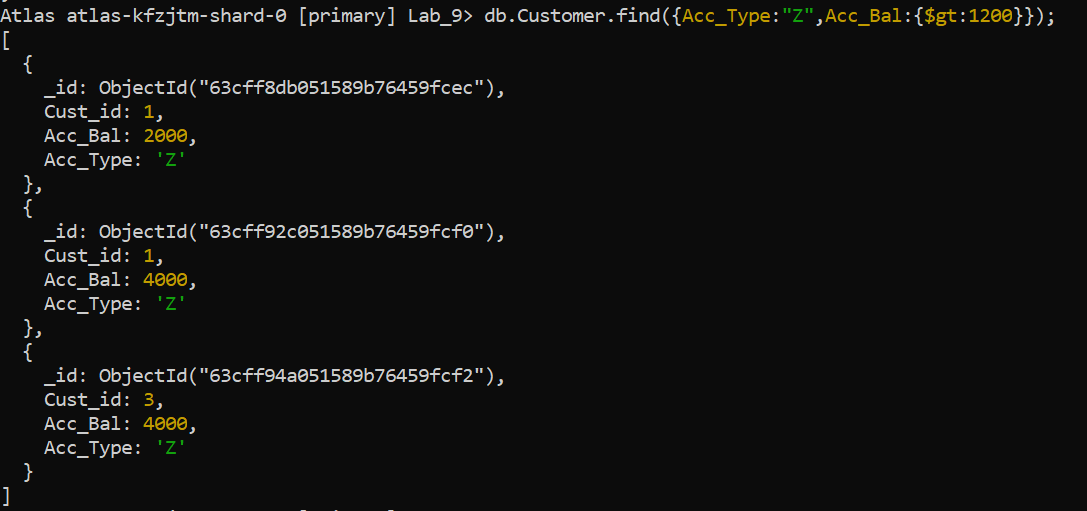
db.Customer.insert({Cust\_id:4,Acc\_bal:1000,Acc\_type:"Z"});

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* **Write a query to display those records whose total account balance**

**is greater than 1200 of account type ‘Z’ for each customer\_id.**

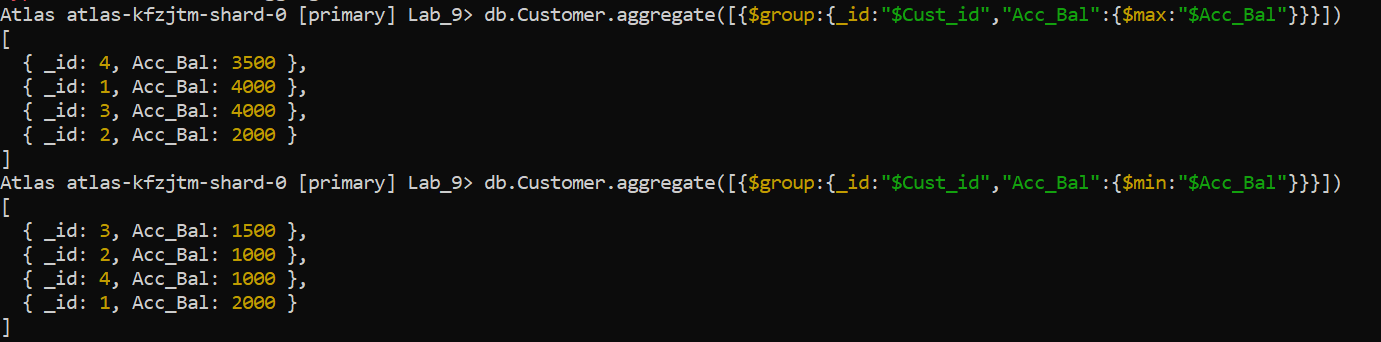
db.Customer.find({Acc\_Type:”Z”, Acc\_Bal:{$gt:1200}});



* **Determine Minimum and Maximum account balance for each customer\_id.**

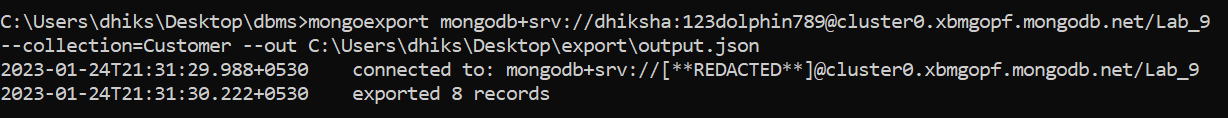
db.Customer.aggregrate([{$group:{\_id:"$Cust\_id","Acc\_Bal":{$max:"$Acc\_Bal"}}}])

db.Customer.aggregrate([{$group:{\_id:"$Cust\_id","Acc\_Bal":{$min:"$Acc\_Bal"}}}])



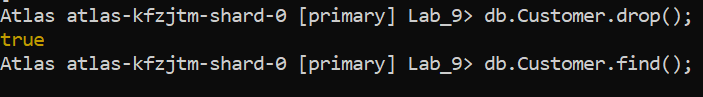
* **Export the created collection into local file system**

mongoexport mongodb+srv://dhiksha:<password>@cluster0.xbmgopf.mongodb.net/Lab\_9 --collection=Customer -- out C:\Users\dhiks\Desktop\export\output.json

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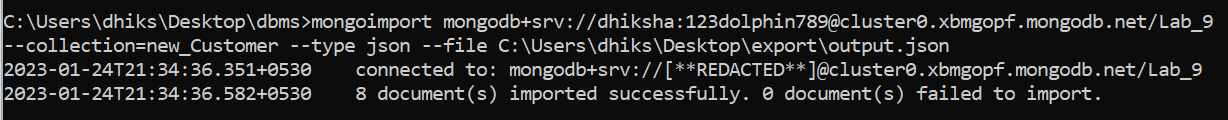
* **Drop the table**

db.Customer.drop();



* **Import a given csv dataset from local file system into mongodb collection.**

mongoimport mongodb+srv://dhiksha:<password>@cluster0.xbmgopf.mongodb.net/Lab\_9 --collection=new\_Customer – type json –file C:\Users\dhiks\Desktop\export\output.json

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