**BDA LAB 3B**

**OUTPUT SCREENSHOTS**

Create a collection by name Customers with the following attributes. Cust_id, Acc_Bal, Acc_Type

Insert at least 5 values into the table

```
db.createCollection("Cust")
db.cust.insert({_id:1,Cust_id:"C01",Acc_Bal:1000,Acc_Type:"A"})
db.cust.insert({_id:2,Cust_id:"C02",Acc_Bal:2000,Acc_Type:"B"})
db.cust.insert({_id:3,Cust_id:"C03",Acc_Bal:1500,Acc_Type:"Z"})
db.cust.insert({_id:4,Cust_id:"C04",Acc_Bal:2300,Acc_Type:"Q"})
db.cust.insert({_id:5,Cust_id:"C05",Acc_Bal:900,Acc_Type:"C"})
db.cust.find().pretty()
```

cust 0.004 sec.

| | _id | Cust_id | Acc_Bal | Acc_Type |
|---|---|---|---|---|
| 1 | 1.0 | C01 | 1000.0 | A |
| 2 | 2.0 | C02 | 2000.0 | B |
| 3 | 3.0 | C03 | 1500.0 | Z |
| 4 | 4.0 | C04 | 2300.0 | Q |
| 5 | 5.0 | C05 | 900.0 | C |

Write a query to display those records whose total account balance is greater than 1200 of account type ‘Z’ for each customer_id.

```
db.cust.find({Acc_Bal:{$gt:1200},Acc_Type:"Z"})
```

cust 0.003 sec.

| | _id | Cust_id | Acc_Bal | Acc_Type |
|---|---|---|---|---|
| 1 | 3.0 | C03 | 1500.0 | Z |

Determine Minimum and Maximum account balance for each customer_id.

```
db.cust.aggregate([
{
    $group:{
    _id:"$Cust_id",
    min_bal:{$min:"$Acc_Bal"},
    max_bal:{$max:"$Acc_Bal"}
    }
}
])
```

cust 0.014 sec.

| | _id | min_bal | max_bal |
|---|---|---|---|
| 1 | C05 | 900.0 | 900.0 |
| 2 | C03 | 1500.0 | 1500.0 |
| 3 | C04 | 2300.0 | 2300.0 |
| 4 | C02 | 2000.0 | 2000.0 |
| 5 | C01 | 1000.0 | 1000.0 |

Export the created collection into local file system

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d test -c cust -f Cust_id,Acc_Bal,Acc_Type --type=csv -o CustomersData.csv
2020-10-12T17:20:50.499+0530    connected to: localhost
2020-10-12T17:20:50.504+0530    exported 5 records
```

Drop the table

```
db.Cust.drop()
```

0.018 sec.

```
true
```

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

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d test -c cust --type csv --file CustomersData.csv --headerline
2020-10-12T17:31:24.720+0530    connected to: localhost
2020-10-12T17:31:24.722+0530    imported 5 documents
```