LAB 10:NO SQL

1. Create a collection by name Customers with the following attributes.
Cust_id, Acc_Bal, Acc_Type
>>db.createCollection(“customer”)

2. Insert at least 5 values into the table
>>db.customer.insert({cust_id:1,acc_bal=12000,acc_type=”savings”})
>>db.customer.insert({cust_id:2,acc_bal=500,acc_type=”z”})
>>db.customer.insert({cust_id:3,acc_bal=12000,acc_type=”z”})
>>db.customer.insert({cust_id:1,acc_bal=12000,acc_type=”current”})
>>db.customer.insert({cust_id:2,acc_bal=12000,acc_type=”x”})
>>db.customer.insert({cust_id:3,acc_bal=12000,acc_type=”savings”})

3. 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_bal:{$gte:1200}})

```
Atlas atlas-krromp-shard-0 [primary] myFirstDatabase> db.customer.find({acc_bal:{$gte:1200}})
[
  {
    _id: ObjectId("63cf5addc454e13f7dc205f0"),
    cust_id: 1,
    acc_bal: 25000,
    acc_type: 'savings'
  },
  {
    _id: ObjectId("63cf5afbc454e13f7dc205f1"),
    cust_id: 2,
    acc_bal: 45000,
    acc_type: 'z'
  },
  {
    _id: ObjectId("63cf5b0dc454e13f7dc205f2"),
    cust_id: 3,
    acc_bal: 5000,
    acc_type: 'x'
  }
]
```

4. Determine Minimum and Maximum account balance for each customer_id.

```
Atlas atlas-krromp-shard-0 [primary] myFirstDatabase> db.customer.aggregate([{"$group":{"_id":"$cust_id","max":{"$max":"$acc_bal"},"min":{"$min":"$acc_bal"}}}])
[
  { _id: 3, max: 5000, min: 5000 },
  { _id: 2, max: 45000, min: 500 },
  { _id: 1, max: 25000, min: 500 }
]
```

5. Export the created collection into local file system

```
C:\Users\Admin\Downloads\mongodb-database-tools-windows-x86_64-100.6.1\mongodb-database-tools-windows-x86_64-100.6.1\bin>mongoexport mongodb+srv://anshugm:iamatatlas@cluster0.v2lzuog.mongodb.net/myFirstDatabase --collection=customer --o
t=C:\users\admin\desktop\output10.json
2023-01-24T10:41:00.678+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.v2lzuog.mongodb.net/myFirstDatabase
2023-01-24T10:41:01.864+0530    exported 5 records
```

6. Drop the table
>>db.customer.drop()

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

```
C:\Users\Admin\Downloads\mongodb-database-tools-windows-x86_64-100.6.1\mongodb-database-tools-windows-x86_64-100.6.1\bin>mongoimport mongodb+srv://anshugm:iamatatlas@cluster0.v2lzuog.mongodb.net/myFirstDatabase --collection=ncustomer -
ype json --file=C:\users\admin\desktop\output10.json
2023-01-24T10:43:48.942+0530    connected to: mongodb+srv://[**REDACTED**]@cluster0.v2lzuog.mongodb.net/myFirstDatabase
2023-01-24T10:43:49.094+0530    5 document(s) imported successfully. 0 document(s) failed to import.
```