

\_id: ObjectId('674ff23ab0b774b877caa83f')  
cust\_id : 1  
acc\_bal : 25000  
acc\_type : "Savings"

---

\_id: ObjectId('674ff2c0b0b774b877caa841')  
cust\_id : 3  
acc\_bal : 5000  
acc\_type : "Z"

---

\_id: ObjectId('674ff354b0b774b877caa843')  
cust\_id : 5  
acc\_bal : 1500  
acc\_type : "Z"

---

\_id: ObjectId('674ff284b0b774b877caa840')  
cust\_id : 2  
acc\_bal : 45000  
acc\_type : "Savings"

---

\_id: ObjectId('674ff309b0b774b877caa842')  
cust\_id : 4  
acc\_bal : 2000  
acc\_type : "Current"

```
acc_id: 1234567890 [primary] test_db:acc
[
  {
    _id: ObjectId("674ff23ab0b774b877caa83f"),
    cust_id: 1,
    acc_bal: 25000,
    acc_type: 'Savings'
  },
  {
    _id: ObjectId("674ff284b0b774b877caa840"),
    cust_id: 2,
    acc_bal: 45000,
    acc_type: 'Savings'
  },
  {
    _id: ObjectId("674ff2c0b0b774b877caa841"),
    cust_id: 3,
    acc_bal: 5000,
    acc_type: 'Z'
  },
  {
    _id: ObjectId("674ff309b0b774b877caa842"),
    cust_id: 4,
    acc_bal: 2000,
    acc_type: 'Current'
  },
  {
    _id: ObjectId("674ff354b0b774b877caa843"),
    cust_id: 5,
    acc_bal: 1500,
    acc_type: 'Z'
  }
]
```

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

```
mongoimport mongodb+srv://dbms:@cluster0.xmdk9.mongodb.net/test
--collection=New_Student --file C:\Users\BMSCECSE\Desktop\New_Student.json
```

```
Microsoft Windows [Version 10.0.22000.2538]
(c) Microsoft Corporation. All rights reserved.

C:\Users\STUDENT>cd C:\Users\STUDENT\Downloads\mongodb-database-tools-windows-x86_64-100.10.0.zip\mongodb-database-tools-windows-x86_64-100.10.0\bin
The system cannot find the path specified.

C:\Users\STUDENT>cd C:\Users\STUDENT\Downloads\mongodb-database-tools-windows-x86_64-100.10.0\mongodb-database-tools-windows-x86_64-100.10.0\bin

C:\Users\STUDENT\Downloads\mongodb-database-tools-windows-x86_64-100.10.0\mongodb-database-tools-windows-x86_64-100.10.0\bin>mongoexport mongodb+srv://madhank:@madhank173.xj3rd.mongodb.net/test --collection=Customer --out "D:\18M23CS173\
dbms.json"
Enter password for mongo user:

2024-12-04T12:58:55.534+0530   connected to: mongodb+srv://[**REDACTED**]@madhank173.xj3rd.mongodb.net/test
2024-12-04T12:58:55.685+0530   exported 5 records

C:\Users\STUDENT\Downloads\mongodb-database-tools-windows-x86_64-100.10.0\mongodb-database-tools-windows-x86_64-100.10.0\bin>mongoimport mongodb+srv://madhank:@madhank173.xj3rd.mongodb.net/test --collection=Customer --file "D:\18M23CS173\
dbms.json"
Enter password for mongo user:

2024-12-04T12:58:55.450+0530   connected to: mongodb+srv://[**REDACTED**]@madhank173.xj3rd.mongodb.net/test
2024-12-04T12:58:55.517+0530   5 document(s) imported successfully. 0 document(s) failed to import.

C:\Users\STUDENT\Downloads\mongodb-database-tools-windows-x86_64-100.10.0\mongodb-database-tools-windows-x86_64-100.10.0\bin>_
```

1. **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: {$gt: 12000}, acc_type:"Z"});
```

```
[
  {
    _id: ObjectId("674ff2c0b0b774b877caa841"),
    cust_id: 3,
    acc_bal: 5000,
    acc_type: 'Z'
  },
  {
    _id: ObjectId("674ff354b0b774b877caa843"),
    cust_id: 5,
    acc_bal: 1500,
    acc_type: 'Z'
  }
]
```

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

```
db.Customer.aggregate([{$group: {_id:"$custid", minBal: {$min:"$acc_bal"}, maxBal: {$max:"$acc_bal"}}}]);
```

```
[
  { _id: 4, minBal: 2000, maxBal: 2000 },
  { _id: 5, minBal: 1500, maxBal: 1500 },
  { _id: 2, minBal: 45000, maxBal: 45000 },
  { _id: 1, minBal: 25000, maxBal: 25000 },
  { _id: 3, minBal: 5000, maxBal: 5000 }
]
```