

LAB(11-12-2025)

INPUT

```
test> use yourDatabaseName;
...
... db.createCollection("Customers");

yourDatabaseName;> db.Customers.insertMany([
...   { Cust_id: 101, Acc_Bal: 1500, Acc_Type: "Z" },
...   { Cust_id: 102, Acc_Bal: 900, Acc_Type: "A" },
...   { Cust_id: 103, Acc_Bal: 2500, Acc_Type: "Z" },
...   { Cust_id: 104, Acc_Bal: 1300, Acc_Type: "Z" },
...   { Cust_id: 105, Acc_Bal: 700, Acc_Type: "B" }
... ]);
...
yourDatabaseName;> db.Customers.find(
...   { Acc_Type: "Z", Acc_Bal: { $gt: 1200 } }
... );
...
yourDatabaseName;> db.Customers.aggregate([
...   {
...     $group: {
...       _id: "$Cust_id",
...       Min_Balance: { $min: "$Acc_Bal" },
...       Max_Balance: { $max: "$Acc_Bal" }
...     }
...   }
... ]);
...
yourDatabaseName;> db.Customers.drop();
```

OUTPUT

```
... db.createCollection('customers'),  
...  
switched to db yourDatabaseName;  
  
[  
  {  
    acknowledged: true,  
    insertedIds: [  
      '0': ObjectId('693a3a53c8474e4a1963b112'),  
      '1': ObjectId('693a3a53c8474e4a1963b113'),  
      '2': ObjectId('693a3a53c8474e4a1963b114'),  
      '3': ObjectId('693a3a53c8474e4a1963b115'),  
      '4': ObjectId('693a3a53c8474e4a1963b116')  
    ]  
  },  
  ...  
  [  
    {  
      _id: ObjectId('693a346fbc8712bc9063b112'),  
      Cust_id: 101,  
      Acc_Bal: 1500,  
      Acc_Type: 'Z'  
    },  
    {  
      _id: ObjectId('693a346fbc8712bc9063b114'),  
      Cust_id: 103,  
      Acc_Bal: 2500,  
      Acc_Type: 'Z'  
    },  
    {  
      _id: ObjectId('693a346fbc8712bc9063b115'),  
      Cust_id: 104,  
      Acc_Bal: 1300,  
      Acc_Type: 'Z'  
    },  
    {  
      _id: ObjectId('693a3a53c8474e4a1963b112'),  
      Cust_id: 101,  
      Acc_Bal: 1500,  
      Acc_Type: 'Z'  
    },  
    {  
      _id: ObjectId('693a3a53c8474e4a1963b114'),  
      Cust_id: 103,  
      Acc_Bal: 2500,  
      Acc_Type: 'Z'  
    },  
    {  
      _id: ObjectId('693a3a53c8474e4a1963b115'),  
      Cust_id: 104,  
      Acc_Bal: 1300,  
      Acc_Type: 'Z'  
    }  
  ]
```

```
[  
  { _id: 105, Min_Balance: 700, Max_Balance: 700 },  
  { _id: 102, Min_Balance: 900, Max_Balance: 900 },  
  { _id: 101, Min_Balance: 1500, Max_Balance: 1500 },  
  { _id: 103, Min_Balance: 2500, Max_Balance: 2500 },  
  { _id: 104, Min_Balance: 1300, Max_Balance: 1300 }  
]  
yourDatabaseName;> db.Customers.drop();  
true  
yourDatabaseName;> |
```