

```
db.createCollection("Student");
```

```
db.Student.insertOne({RollNo:1,Age:21,Cont:9876,email:"antara.de9@gmail.com"});
```

```
db.Student.insertOne({RollNo:2,Age:22,Cont:9976,email:"anushka.de9@gmail.com"});
```

```
db.Student.insertOne({RollNo:3,Age:21,Cont:5576,email:"anubhav.de9@gmail.com"});
```

```
db.Student.insertOne({RollNo:4,Age:20,Cont:4476,email:"pani.de9@gmail.com"});
```

```
db.Student.insertOne({RollNo:10,Age:23,Cont:2276,email:"rekha.de9@gmail.com"});
```

```
db.Student.find()
```

```
Atlas atlas-vjtdg3-shard-0 [primary] test> db.Student.find()
[
  {
    _id: ObjectId("660a7bbbf35158e66ceb6750"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'antara.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7c05f35158e66ceb6751"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'antara.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7c24f35158e66ceb6752"),
    RollNo: 2,
    Age: 22,
    Cont: 9976,
    email: 'anushka.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7c39f35158e66ceb6753"),
    RollNo: 3,
    Age: 21,
    Cont: 5576,
    email: 'anubhav.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7c4cf35158e66ceb6754"),
    RollNo: 4,
    Age: 20,
    Cont: 4476,
    email: 'pani.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7c5bf35158e66ceb6755"),
    RollNo: 10,
    Age: 23,
    Cont: 2276,
    email: 'rekha.de9@gmail.com'
  }
]
```

```
db.Student.updateOne({ RollNo: 10 }, { $set: { email: "Abhinav@gmail.com" } })
```

```
Atlas atlas-vjtdg3-shard-0 [primary] test> db.Stude
"Abhinav@gmail.com" } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0
}
```

```
db.Student.updateOne({ RollNo: 10 }, { $set: { email: "Abhinav@gmail.com" } })
```

```
Atlas atlas-vjtdg3-shard-0 [primary] test> db.Student.updateOne
"Abhinav@gmail.com" } })
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0
}
```

```
db.Student.update({RollNo:11,Name:"ABC"},{$set:{Name:"FEM"}})
```

```
Atlas atlas-vjtdg3-shard-0 [primary] test> db.Student.update({R
Name:"FEM"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

```
db.createCollection("Customers");
```

```
db.Customers.insertOne({cust_id:1,Balance:200, Type:"S"});
```

```
db.Customers.insertOne({cust_id:2,Balance:1000, Type:"C"});
```

```
db.Customers.insertOne({cust_id:2,Balance:1000, Type:"C"});
```

```
db.Customers.insertOne({cust_id:2,Balance:50, Type:"S"});
```

```
db.Customers.insertOne({cust_id:3,Balance:500, Type:"Z"});
```

db.Customers.find()

```
Atlas atlas-vjtdg3-shard-0 [primary] test> db.Customers.find()
[
  {
    _id: ObjectId("660a8292f35158e66ceb6757"),
    cust_id: 1,
    Balance: 200,
    Type: 'S'
  },
  {
    _id: ObjectId("660a82a3f35158e66ceb6758"),
    cust_id: 1,
    Balance: 1000,
    Type: 'Z'
  },
  {
    _id: ObjectId("660a82b1f35158e66ceb6759"),
    cust_id: 2,
    Balance: 100,
    Type: 'Z'
  },
  {
    _id: ObjectId("660a82c1f35158e66ceb675a"),
    cust_id: 2,
    Balance: 1000,
    Type: 'C'
  },
  {
    _id: ObjectId("660a82d0f35158e66ceb675b"),
    cust_id: 2,
    Balance: 500,
    Type: 'C'
  },
  {
    _id: ObjectId("660a82ddf35158e66ceb675c"),
    cust_id: 2,
    Balance: 50,
    Type: 'S'
  },
  {
    _id: ObjectId("660a82f0f35158e66ceb675d"),
    cust_id: 3,
    Balance: 500,
    Type: 'Z'
  }
]
```

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

```
Atlas atlas-mb4kgq-shard-0 [primary] test> db.Customers.find({$and:[{Acc_bal:{$gt:1200}},{Acc_Type:'Z'}]})
[
  {
    _id: ObjectId("660a80f086c72490982f9e4d"),
    Cust_id: 1,
    Acc_bal: 10000,
    Acc_Type: 'Z'
  },
  {
    _id: ObjectId("660a80f086c72490982f9e4e"),
    Cust_id: 2,
    Acc_bal: 70000,
    Acc_Type: 'Z'
  }
]
```

Determine Minimum and Maximum account balance for each customer_id.

```
Atlas atlas-mb4kgq-shard-0 [primary] test> db.Customers.aggregate([
... {
...   $group: {
...     _id: null,
...     minBalance: { $min: "$Acc_bal" },
...     maxBalance: { $max: "$Acc_bal" }
...   }
... }
... ])
[ { _id: null, minBalance: 2, maxBalance: 70000 } ]
Atlas atlas-mb4kgq-shard-0 [primary] test> db.Customers.aggregate([ { $group: { _id: null, minBalance: { $min: "$Acc_bal" }, /* Corrected field name*/ maxBalance: { $max: "$Acc_bal" } /*
... } } ]
[ { _id: null, minBalance: 2, maxBalance: 70000 } ]
Atlas atlas-mb4kgq-shard-0 [primary] test> |
```