

l.

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.createCollection("Student");
{ ok: 1 }
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.insertOne({RollNo:1, Age:21, Cont:9876, email:"antara.de9@gmail.com"});
{
  acknowledged: true,
  insertedId: ObjectId("660a776cbd8b826110d3bee8")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.insertOne({RollNo:2, Age:22, Cont:9976, email:"anushka.de9@gmail.com"});
{
  acknowledged: true,
  insertedId: ObjectId("660a777ebd8b826110d3bee9")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.insertOne({RollNo:3, Age:21, Cont:5576, email:"anubhav.de9@gmail.com"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7790bd8b826110d3beea")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.insertOne({RollNo:4, Age:20, Cont:4476, email:"pani.de9@gmail.com"});
{
  acknowledged: true,
  insertedId: ObjectId("660a779bbd8b826110d3beeb")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.insertOne({RollNo:10, Age:23, Cont:2276, email:"rekhha.de9@gmail.com"});
{
  acknowledged: true,
  insertedId: ObjectId("660a77a4bd8b826110d3beec")
}
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.updateOne({RollNo :10},{ $set:{email:"Abhinav@gmail.com"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 0,
  upsertedCount: 0
}
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.updateOne({name:"abc"},{$set:{name:"fem"}})
{
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
```

FINAL

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Student.find()
[
  {
    _id: ObjectId("660a7741bd8b826110d3bee7"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'antara.de9@gmail.com'
  },
  {
    _id: ObjectId("660a776cbd8b826110d3bee8"),
    RollNo: 1,
    Age: 21,
    Cont: 9876,
    email: 'antara.de9@gmail.com'
  },
  {
    _id: ObjectId("660a777ebd8b826110d3bee9"),
    RollNo: 2,
    Age: 22,
    Cont: 9976,
    email: 'anushka.de9@gmail.com'
  },
  {
    _id: ObjectId("660a7790bd8b826110d3beea"),
    RollNo: 3,
    Age: 21,
    Cont: 5576,
    email: 'anubhav.de9@gmail.com'
  },
  {
    _id: ObjectId("660a779bbd8b826110d3beeb"),
    RollNo: 4,
    Age: 20,
    Cont: 4476,
    email: 'pani.de9@gmail.com'
  },
  {
    _id: ObjectId("660a77a4bd8b826110d3beec"),
    RollNo: 10,
    Age: 23,
    Cont: 2276,
    email: 'Abhinav@gmail.com'
  },
  {
    _id: ObjectId("660a794cbd8b826110d3beed"),
    RollNo: 11,
    Age: 18,
    Cont: 9839,
    email: 'fem@gmail.com',
  }
]
```

II.

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.createCollection("Customers");
{ ok: 1 }
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:1,Balance:200, Type:"S"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7cedbd8b826110d3beee")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:1,Balance:1000, Type:"Z"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7cf7bd8b826110d3beef")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:2,Balance:100, Type:"Z"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7d01bd8b826110d3bef0")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:2,Balance:1000, Type:"C"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7d0abd8b826110d3bef1")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:2,Balance:500, Type:"C"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7d18bd8b826110d3bef2")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:2,Balance:50, Type:"S"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7d21bd8b826110d3bef3")
}
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.insertOne({cust_id:3,Balance:500, Type:"Z"});
{
  acknowledged: true,
  insertedId: ObjectId("660a7d2abd8b826110d3bef4")
}
}
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.aggregate({$match:{Type:"Z"}},{ $group:{_id:"$cust_id",TotAccBal:{$sum:"$Balance"}},{ $match:{TotAccBal:{$gt:1200}}});
[ { _id: 3, TotAccBal: 2000 } ]
```

```
Atlas atlas-ji4gb5-shard-0 [primary] test> db.Customers.aggregate({$group:{_id:"$cust_id",minAccBal:{$min:"$Balance"},maxAccBal:{$max:"$Balance"}}});
[
  { _id: 1, minAccBal: 200, maxAccBal: 1000 },
  { _id: 2, minAccBal: 50, maxAccBal: 1000 },
  { _id: 3, minAccBal: 500, maxAccBal: 1500 }
]
```