```
> show collections
StudentDetails
> db.StudentDetails.insert({_id:1,Name:"ABC",RollNo:100,Age:21,ContactNo:123456,EmailId:"abc@gmail.com"});
WriteResult({ "nInserted" : 1 })
> db.StudentDetails.insert({_id:1,Name:"XYZ",RollNo:10,Age:22,ContactNo:456321,EmailId:"xyz@gmail.com"});
WriteResult({
        "nInserted" : 0,
        "writeError" : {
                "code" : 11000,
                "errmsg" : "E11000 duplicate key error collection: Student.StudentDetails index: _id_ dup key: { : 1.0 }
"
        }
})
> db.StudentDetails.insert({_id:2,Name:"XYZ",RollNo:10,Age:22,ContactNo:456321,EmailId:"xyz@gmail.com"});
WriteResult({ "nInserted" : 1 })
> db.StudentDetails.insert({_id:2,Name:"XY",RollNo:11,Age:22,ContactNo:456321,EmailId:"xy@gmail.com"});
WriteResult({
        "nInserted" : 0,
        "writeError" : {
                "code" : 11000,
                "errmsg" : "E11000 duplicate key error collection: Student.StudentDetails index: _id_ dup key: { : 2.0 }
"
        }
})
> db.StudentDetails.insert({_id:3,Name:"XY",RollNo:11,Age:22,ContactNo:456321,EmailId:"xy@gmail.com"});
WriteResult({ "nInserted" : 1 })
> db.StudentDetails.insert({_id:4,Name:"AB",RollNo:11,Age:23,ContactNo:4521,EmailId:"ab@gmail.com"});
WriteResult({ "nInserted" : 1 })
```

```
> db.StudentDetails.find()
{ "_id" : 1, "Name" : "ABC", "RollNo" : 100, "Age" : 21, "ContactNo" : 123456, "EmailId" : "abc@gmail.com" }
{ "_id" : 2, "Name" : "XYZ", "RollNo" : 10, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xyz@gmail.com" }
{ "_id" : 3, "Name" : "XY", "RollNo" : 11, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xy@gmail.com" }
{ "_id" : 4, "Name" : "AB", "RollNo" : 11, "Age" : 23, "ContactNo" : 4521, "EmailId" : "ab@gmail.com" }
> db.StudentDetails.update({RollNo:100},{$set:{EmailId:"aaa@yahoo.com"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.StudentDetails.find()
{ "_id" : 1, "Name" : "ABC", "RollNo" : 100, "Age" : 21, "ContactNo" : 123456, "EmailId" : "aaa@yahoo.com" }
{ "_id" : 2, "Name" : "XYZ", "RollNo" : 10, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xyz@gmail.com" }
{ "_id" : 3, "Name" : "XY", "RollNo" : 11, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xy@gmail.com" }
{ "_id" : 4, "Name" : "AB", "RollNo" : 11, "Age" : 23, "ContactNo" : 4521, "EmailId" : "ab@gmail.com" }
```

```
> db.StudentDetails.replaceOne({"RollNo":10},{"Name":"YYY","RollNo":10,"Age":22,"ContactNo":456213,"EmailId":"xyz@gmail.
com"})
{ "acknowledged" : true, "matchedCount" : 1, "modifiedCount" : 1 }
> db.StudentDetails.find()
{ "_id" : 1, "Name" : "ABC", "RollNo" : 100, "Age" : 21, "ContactNo" : 123456, "EmailId" : "aaa@yahoo.com" }
{ "_id" : 3, "Name" : "XY", "RollNo" : 11, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xy@gmail.com" }
{ "_id" : 4, "Name" : "AB", "RollNo" : 11, "Age" : 23, "ContactNo" : 4521, "EmailId" : "ab@gmail.com" }
{ "_id" : 2, "Name" : "YYY", "RollNo" : 10, "Age" : 22, "ContactNo" : 456213, "EmailId" : "xyz@gmail.com" }
```

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d Student -c StudentDetails -f RollNo,Age,ContactNo,Name,EmailId --
type=csv -o C:\Users\Saitama\Documents\mongo\Student.csv
2020-10-08T15:22:33.069+0530    connected to: mongodb://localhost/
2020-10-08T15:22:33.073+0530    exported 4 records
```

```
> db.StudentDetails.find()
{ "_id" : 1, "Name" : "ABC", "RollNo" : 100, "Age" : 21, "ContactNo" : 123456, "EmailId" : "aaa@yahoo.com" }
{ "_id" : 3, "Name" : "XY", "RollNo" : 11, "Age" : 22, "ContactNo" : 456321, "EmailId" : "xy@gmail.com" }
{ "_id" : 4, "Name" : "AB", "RollNo" : 11, "Age" : 23, "ContactNo" : 4521, "EmailId" : "ab@gmail.com" }
{ "_id" : 2, "Name" : "YYY", "RollNo" : 10, "Age" : 22, "ContactNo" : 456213, "EmailId" : "xyz@gmail.com" }
> db.StudentDetails.drop()
true
```

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d Student -c StudentDetails --type csv -f RollNo,Age,ContactNo,Name
,EmailId --file C:\Users\Saitama\Documents\mongo\Student.csv
2020-10-08T15:44:28.085+0530    connected to: mongodb://localhost/
2020-10-08T15:44:28.087+0530    5 document(s) imported successfully. 0 document(s) failed to import.
```

```
> db.StudentDetails.find()
{ "_id" : ObjectId("5f7ee2df3144c45c18cf9d03"), "Name" : 100, "Age" : 21, "ContactNo" : 123456, "EmailId" : "ABC", "field4" : "aaa@yahoo.com" }
{ "_id" : ObjectId("5f7ee2df3144c45c18cf9d04"), "Name" : 11, "Age" : 22, "ContactNo" : 456321, "EmailId" : "XY", "field4" : "xy@gmail.com" }
{ "_id" : ObjectId("5f7ee2df3144c45c18cf9d05"), "Name" : "RollNo", "Age" : "Age", "ContactNo" : "ContactNo", "EmailId" : "Name", "field4" : "EmailId" }
{ "_id" : ObjectId("5f7ee2df3144c45c18cf9d06"), "Name" : 10, "Age" : 22, "ContactNo" : 456213, "EmailId" : "YYY", "field4" : "xyz@gmail.com" }
{ "_id" : ObjectId("5f7ee2df3144c45c18cf9d07"), "Name" : 11, "Age" : 23, "ContactNo" : 4521, "EmailId" : "AB", "field4" : "ab@gmail.com" }
```

```
> use CompanyD
switched to db CompanyD
> db
CompanyD
> show collections
> db.createCollection('Customer')
{ "ok" : 1 }
> db.Customer.insert({cust_id:1,Acc_bal:1500,Acc_type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:1,Acc_bal:1500,Acc_type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.drop()
true
> db.createCollection('Customer')
{ "ok" : 1 }
> db.Customer.insert({cust_id:1,Acc_bal:1500,Acc_type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:2,Acc_bal:3000,Acc_type:"A"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:3,Acc_bal:1200,Acc_type:"A"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:4,Acc_bal:500,Acc_type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({cust_id:5,Acc_bal:1600,Acc_type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.find({Acc_bal:{$gt:1200}, Acc_type:"Z"})
{ "_id" : ObjectId("5f7ee41de8e50a57b8197b4d"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee564e8e50a57b8197b51"), "cust_id" : 5, "Acc_bal" : 1600, "Acc_type" : "Z" }
> db.Customer.aggregate([
...     {
...         $group: {
...             _id: "$cust_id",
...             min_bal: {$min: "$Acc_bal"},
...             max_bal: {$max: "$Acc_bal"}
...         }
...     }
... ]);
{ "_id" : 3, "min_bal" : 1200, "max_bal" : 1200 }
{ "_id" : 2, "min_bal" : 3000, "max_bal" : 3000 }
{ "_id" : 5, "min_bal" : 1600, "max_bal" : 1600 }
{ "_id" : 1, "min_bal" : 1500, "max_bal" : 1500 }
{ "_id" : 4, "min_bal" : 500, "max_bal" : 500 }
```

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport -d CompanyD -c Customer -f cust_id,Acc_bal,Acc_type --type=csv -o C:
\Users\Saitama\Documents\mongo\Customer.csv
2020-10-08T15:48:01.246+0530    connected to: mongodb://localhost/
2020-10-08T15:48:01.251+0530    exported 5 records
```

```
> db.Customer.find()
{ "_id" : ObjectId("5f7ee41de8e50a57b8197b4d"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee425e8e50a57b8197b4e"), "cust_id" : 2, "Acc_bal" : 3000, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee434e8e50a57b8197b4f"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee53ee8e50a57b8197b50"), "cust_id" : 4, "Acc_bal" : 500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee564e8e50a57b8197b51"), "cust_id" : 5, "Acc_bal" : 1600, "Acc_type" : "Z" }
> db.Customer.drop()
true
```

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport -d CompanyD -c Customer -f cust_id,Acc_bal,Acc_type --type csv --fil
e C:\Users\Saitama\Documents\mongo\Customer.csv
2020-10-08T15:50:24.773+0530    connected to: mongodb://localhost/
2020-10-08T15:50:24.791+0530    6 document(s) imported successfully. 0 document(s) failed to import.
```

```
> db.Customer.find()
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953df"), "cust_id" : 2, "Acc_bal" : 3000, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953e0"), "cust_id" : 3, "Acc_bal" : 1200, "Acc_type" : "A" }
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953e1"), "cust_id" : 4, "Acc_bal" : 500, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953e2"), "cust_id" : 5, "Acc_bal" : 1600, "Acc_type" : "Z" }
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953e3"), "cust_id" : "cust_id", "Acc_bal" : "Acc_bal", "Acc_type" : "Acc_type" }
{ "_id" : ObjectId("5f7ee7e8d4cb6c34f85953e4"), "cust_id" : 1, "Acc_bal" : 1500, "Acc_type" : "Z" }
> db.Customer.find().pretty()
```