

```
> use students1
switched to db students1
> db.createCollection("student");
{ "ok" : 1 }
> db.student.insert({_id:"1",Rollno:"10",name:"Jamuna S",age:"20",phone:"9928923145",email:"jamuna@gmail.com"})
WriteResult({ "nInserted" : 1 })
> db.student.insert({_id:"2",Rollno:"11",name:"divya",age:"25",phone:"9928923122",email:"abc.com"})
WriteResult({ "nInserted" : 1 })
> db.student.find().pretty()
{
  "_id" : "1",
  "Rollno" : "10",
  "name" : "Jamuna S",
  "age" : "20",
  "phone" : "9928923145",
  "email" : "jamuna@gmail.com"
}
{
  "_id" : "2",
  "Rollno" : "11",
  "name" : "divya",
  "age" : "25",
  "phone" : "9928923122",
  "email" : "abc.com"
}
> db.student.update({Rollno:"10"},{$set:{email:"Jamunasurya@gmail.com"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.student.find().pretty()
{
  "_id" : "1",
  "Rollno" : "10",
  "name" : "Jamuna S",
  "age" : "20",
  "phone" : "9928923145",
  "email" : "Jamunasurya@gmail.com"
}
{
  "_id" : "2",
  "Rollno" : "11",
  "name" : "divya",
  "age" : "25",
  "phone" : "9928923122",
  "email" : "abc.com"
}
```

```
"phone" : "9928923145",
"email" : "Jamunasurya@gmail.com"
}
{
  "_id" : "2",
  "Rollno" : "11",
  "name" : "divya",
  "age" : "25",
  "phone" : "9928923122",
  "email" : "abc.com"
}
> db.student.update({Rollno:"11"},{$set:{name:"Navya"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.student.find().pretty()
{
  "_id" : "1",
  "Rollno" : "10",
  "name" : "Jamuna S",
  "age" : "20",
  "phone" : "9928923145",
  "email" : "Jamunasurya@gmail.com"
}
{
  "_id" : "2",
  "Rollno" : "11",
  "name" : "Navya",
  "age" : "25",
  "phone" : "9928923122",
  "email" : "abc.com"
}
> db.student.update({Rollno:"11"},{$set:{name:"FEM"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.student.find().pretty()
{
  "_id" : "1",
  "Rollno" : "10",
  "name" : "Jamuna S",
  "age" : "20",
  "phone" : "9928923145",
  "email" : "Jamunasurya@gmail.com"
}
{
  "_id" : "2",
  "Rollno" : "11",
```

Import and export

```
Command Prompt
C:\Users\Jamuna>cd C:\Program Files\MongoDB\Server\4.0\bin
C:\Program Files\MongoDB\Server\4.0\bin>cd ..
C:\Program Files\MongoDB\Server\4.0>cd C:\Program Files\MongoDB\Server\4.0\bin
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db students1 --collection student --type=csv --out E:\stud_info.csv --fields Rollno,name,age,phone,phone,email
2020-10-08T17:14:57.854+0530    connected to: localhost
2020-10-08T17:14:57.941+0530    exported 2 records
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db students1 --collection student --type=csv --file E:\stud_info.csv --headerline
2020-10-08T17:21:29.125+0530    Failed: fields cannot be identical: 'phone' and 'phone'
2020-10-08T17:21:29.127+0530    imported 0 documents
C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db students1 --collection student --type=csv --file E:\stud_info.csv --headerline
2020-10-08T17:23:02.780+0530    connected to: localhost
2020-10-08T17:23:03.068+0530    imported 2 documents
C:\Program Files\MongoDB\Server\4.0\bin>
```

```
Command Prompt - Mongo
> show collections
student
> db.student.drop()
true
> show collections
> show collections
> db.student.find().pretty()
> show collections
student
> db.student.find().pretty()
{
  "_id" : ObjectId("5f7efd9e6d1ed01f6982bd57"),
  "Rollno" : 11,
  "name" : "FEM",
  "age" : 25,
  "phone" : NumberLong("9928923122"),
  "email" : "abc.com"
}
{
  "_id" : ObjectId("5f7efd9e6d1ed01f6982bd58"),
  "Rollno" : 10,
  "name" : "Jamuna S",
  "age" : 20,
  "phone" : NumberLong("9928923145"),
  "email" : "Jamunasurya@gmail.com"
}
>
```

Customer

```
> use customers
switched to db customers
> use customers1
switched to db customers1
> db.createCollection("Customer")
{ "ok" : 1 }
> db.Customer.insert({Cust_id:"100",Acc_Bal:"40000",Acc_Type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({Cust_id:"101",Acc_Bal:"50000",Acc_Type:"saving"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({Cust_id:"103",Acc_Bal:"5000",Acc_Type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({Cust_id:"104",Acc_Bal:"56000",Acc_Type:"saving"})
WriteResult({ "nInserted" : 1 })
> db.Customer.insert({Cust_id:"105",Acc_Bal:"56700",Acc_Type:"current"})
WriteResult({ "nInserted" : 1 })
> db.Customer.find().pretty()
{
  "_id" : ObjectId("5f7edc0de4c62426e23e1459"),
  "Cust_id" : "100",
  "Acc_Bal" : "40000",
  "Acc_Type" : "Z"
}
{
  "_id" : ObjectId("5f7edc1ce4c62426e23e145a"),
  "Cust_id" : "101",
  "Acc_Bal" : "50000",
  "Acc_Type" : "saving"
}
{
  "_id" : ObjectId("5f7edc2ce4c62426e23e145b"),
  "Cust_id" : "103",
  "Acc_Bal" : "5000",
  "Acc_Type" : "Z"
}
```

```
{
  "_id" : ObjectId("5f7edc3be4c62426e23e145c"),
  "Cust_id" : "104",
  "Acc_Bal" : "56000",
  "Acc_Type" : "saving"
}
{
  "_id" : ObjectId("5f7edc4ae4c62426e23e145d"),
  "Cust_id" : "105",
  "Acc_Bal" : "56700",
  "Acc_Type" : "current"
}
{
  "_id" : ObjectId("5f7ee07fe4c62426e23e145e"),
  "Cust_id" : "100",
  "Acc_Bal" : "5700",
  "Acc_Type" : "Z"
}
```

```
> db.Customer.insert({Cust_id:"100",Acc_Bal:"57000",Acc_Type:"Z"})
WriteResult({ "nInserted" : 1 })
> db.Customer.aggregate({$group:{_id:"$Cust_id",minbal:{$min:"$Acc_Bal"}}})
{ "_id" : "105", "minbal" : "56700" }
{ "_id" : "101", "minbal" : "50000" }
{ "_id" : "100", "minbal" : "40000" }
{ "_id" : "104", "minbal" : "56000" }
{ "_id" : "103", "minbal" : "5000" }
> db.Customer.aggregate({$group:{_id:"$Cust_id",maxbal:{$max:"$Acc_Bal"}}})
{ "_id" : "105", "maxbal" : "56700" }
{ "_id" : "101", "maxbal" : "50000" }
{ "_id" : "100", "maxbal" : "57000" }
{ "_id" : "104", "maxbal" : "56000" }
{ "_id" : "103", "maxbal" : "5000" }
> db.Customer.aggregate({$match:{Acc_type:"2"}},{ $group:{_id:"cust_id",Tol_acc_bal:{$sum:"$Acc_Bal"}},{ $match:{Tol_acc_bal:{$gt:1200}}})
```

export and import

```
C:\Program Files\MongoDB\Server\4.0\bin>mongoexport --db customers1 --collection Customer --type=csv --out E:\cust_info1.csv --fields Cust_id,Acc_Bal,Acc_Type
2020-10-08T15:55:34.243+0530 connected to: localhost
2020-10-08T15:55:34.253+0530 exported 7 records

C:\Program Files\MongoDB\Server\4.0\bin>mongoimport --db customers1 --collection Customer --type=csv --file E:\cust_info.csv --headerline
2020-10-08T15:58:32.175+0530 connected to: localhost
2020-10-08T15:58:32.183+0530 imported 7 documents
```

```
> show collections
Customer
> db.Customer.drop()
true
> show collections
> show collections
Customer
> db.Customer.find().pretty()
{
  "_id" : ObjectId("5f7eea08e3647e8572a9fcbe"),
  "Cust_id" : 100,
  "Cust_bal" : "",
  "Cust_Type" : ""
}
{
  "_id" : ObjectId("5f7eea08e3647e8572a9fcbf"),
  "Cust_id" : 101,
  "Cust_bal" : "",
  "Cust_Type" : ""
}
{
  "_id" : ObjectId("5f7eea08e3647e8572a9fcc0"),
  "Cust_id" : 103,
  "Cust_bal" : "",
  "Cust_Type" : ""
}
{
  "_id" : ObjectId("5f7eea08e3647e8572a9fcc1"),
  "Cust_id" : 104,
  "Cust_bal" : "",
  "Cust_Type" : ""
}
{
  "_id" : ObjectId("5f7eea08e3647e8572a9fcc2"),
  "Cust_id" : 105,
  "Cust_bal" : "",
  "Cust_Type" : ""
}
```