Student database

```
> use Students1
switched to db Students1
> db.createCollection("student");
{ "ok" : 1 }
> db.Student.insert({_id:"1",Rollno:"10",name:"Priyanka s",age:"20",phone:"9980755257",email:"priyanka.cs18@bmsce.ac.in"})
WriteResult({ "nInserted" : 1 })
> db.Student.insert({_id:"2",Rollno:"11",name:"ABC",age:"22",phone:"9980755852",email:"ABC.cs18@bmsce.ac.in"})
WriteResult({ "nInserted" : 1 })
> db.Student.find().pretty()
{
        "_id" : "1",
        "Rollno" : "10",
        "name" : "Priyanka s",
        "age" : "20",
        "phone" : "9980755257",
        "email" : "priyanka.cs18@bmsce.ac.in"
}
{
        "_id" : "2",
        "Rollno" : "11",
        "name" : "ABC",
        "age" : "22",
        "phone" : "9980755852",
        "email" : "ABC.cs18@bmsce.ac.in"
}
> db.student.update({Rollno:"10"},{$set:{email:"priyanka.s.Hpe@gmail.com"}});
WriteResult({ "nMatched" : 0, "nUpserted" : 0, "nModified" : 0 })
> db.Student.find().pretty()
{
        "_id" : "1",
        "Rollno" : "10",
        "name" : "Priyanka s",
        "age" : "20",
        "phone" : "9980755257",
        "email" : "priyanka.cs18@bmsce.ac.in"
}
{
        "_id" : "2",
        "Rollno" : "11",
        "name" : "ABC",
        "age" : "22",
        "phone" : "9980755852",
        "email" : "ABC.cs18@bmsce.ac.in"
}
> db.Student.update({Rollno:"10"},{$set:{email:"priyanka.s.Hpe@gmail.com"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty()
```

```
}
> db.Student.update({Rollno:"10"},{$set:{email:"priyanka.s.Hpe@gmail.com"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty()
{
        "_id" : "1",
        "Rollno" : "10",
        "name" : "Priyanka s",
        "age" : "20",
        "phone" : "9980755257",
        "email" : "priyanka.s.Hpe@gmail.com"
}
{
        "_id" : "2",
        "Rollno" : "11",
        "name" : "ABC",
        "age" : "22",
        "phone" : "9980755852",
        "email" : "ABC.cs18@bmsce.ac.in"
}
> db.Student.update({Rollno:"11"},{$set:{name:"FEM"}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.Student.find().pretty()
{
        "_id" : "1",
        "Rollno" : "10",
        "name" : "Priyanka s",
        "age" : "20",
        "phone" : "9980755257",
        "email" : "priyanka.s.Hpe@gmail.com"
}
{
        "_id" : "2",
        "Rollno" : "11",
        "name" : "FEM",
        "age" : "22",
        "phone" : "9980755852",
        "email" : "ABC.cs18@bmsce.ac.in"
}
```

Export and import

```
C:\Program Files\MongoDB\Server\4.0\bin>cd ..>mongoexport --db Students1 --collection student --type=csv --out E:\stud_info.csv --fields Rollno,name,age,phone,email
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,email
2020-10-08T14:49:04.294+0530    connected to: localhost
2020-10-08T14:49:04.295+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

2020-10-08T14:58:08.977+0530    connected to: localhost

2020-10-08T14:58:09.233+0530    imported 2 documents
```

```
> show collections
Student
student
> db.Student.drop()
true
> db.student.drop()
true
> show collections
> show collections
Student
> db.Student.find().pretty()
{
        "_id" : ObjectId("5f7edba8e3647e8572a9fc25"),
        "Rollno" : 10,
        "name" : "Priyanka s",
        "age" : 20,
        "phone" : NumberLong("9980755257"),
        "email" : "priyanka.s.Hpe@gmail.com"
}
{
        "_id" : ObjectId("5f7edba8e3647e8572a9fc26"),
        "Rollno" : 11,
        "name" : "FEM",
        "age" : 22,
        "phone" : NumberLong("9980755852"),
        "email" : "ABC.cs18@bmsce.ac.in"
}
> use customers
```

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" : ""
}
{
```