```
>use krishnaDB
switched to db krishnaDB

>db.createCollection("Student");
{ "ok" : 1 }

>db.Student.insert({_id:1,name:"Krishna",grade:9});
WriteResult({ "nInserted" : 1 })

>db.Student.find();
{ "_id" : 1, "name" : "Krishna", "grade" : 9 }
{ "_id" : 2, "name" : "Abc", "grade" : 10 }
{ "_id" : 3, "name" : "Mno", "grade" : 5 }
{ "_id" : 4, "name" : "Pqr", "grade" : 8 }

>db.Student.find().pretty();

> show collections;
Student

#HERE upsert=> update else insert if doesn't exist
>
db.Student.update({_id:6,name:"qwert"},{$set:{grade:4}},{upsert:true});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 6
})

> db.Student.update({_id:2},{$set:{age:21}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })


> db.Student.save({name:"zzz",_id:10,grade:8});
WriteResult({ "nMatched" : 0, "nUpserted" : 1, "nModified" : 0, "_id" : 10
})



> db.Student.update({_id:2},{$unset:{age:21}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.Student.find({},{name:1,grade:1,_id:0});
{ "name" : "Krishna", "grade" : 9 }
{ "name" : "Abc", "grade" : 10 }
{ "name" : "Mno", "grade" : 5 }
{ "name" : "Pqr", "grade" : 8 }
{ "grade" : 4, "name" : "qwert" }


> db.Student.find({grade:{$lt:5}},{name:1,grade:1,_id:0});
{ "grade" : 2, "name" : "qwert" }

>
db.Student.find({name:{$in:["Krishna","Abc","Mno"]}},{name:1,grade:1,_id
:0});
```

```
{ "name" : "Krishna", "grade" : 9 }
{ "name" : "Abc", "grade" : 10 }
{ "name" : "Mno", "grade" : 5 }

> db.Student.find({name:/^S/},{name:1,grade:1,_id:0});
{ "name" : "Krishna", "grade" : 9 }

> db.Student.find({name:/.b/},{name:1,grade:1,_id:0});
{ "name" : "Abc", "grade" : 10 }

> db.Student.count();
6

> db.Student.count({grade:9});
1

> db.Student.find().sort({name:1});
{ "_id" : 2, "name" : "Abc", "grade" : 10 }
{ "_id" : 3, "name" : "Mno", "grade" : 5 }
{ "_id" : 4, "name" : "Pqr", "grade" : 8 }
{ "_id" : 1, "name" : "Krishna", "grade" : 9 }
{ "_id" : 7, "name" : "kkk", "grade" : 6 }
{ "_id" : 6, "grade" : 2, "name" : "qwert" }


> db.Student.find().sort({name:1,grade:-1});
{ "_id" : 2, "name" : "Abc", "grade" : 10 }
{ "_id" : 3, "name" : "Mno", "grade" : 5 }
{ "_id" : 4, "name" : "Pqr", "grade" : 8 }
{ "_id" : 1, "name" : "Krishna", "grade" : 9 }
{ "_id" : 7, "name" : "kkk", "grade" : 6 }
{ "_id" : 6, "grade" : 2, "name" : "qwert" }

> db.Student.find({grade:8}).limit(3);
{ "_id" : 4, "name" : "Pqr", "grade" : 8 }
{ "_id" : 10, "name" : "zzz", "grade" : 8 }


> db.Student.find().skip(2);
{ "_id" : 3, "name" : "Mno", "grade" : 5 }
{ "_id" : 4, "name" : "Pqr", "grade" : 8 }
{ "_id" : 6, "grade" : 2, "name" : "qwert" }
{ "_id" : 7, "name" : "kkk", "grade" : 6 }
{ "_id" : 10, "name" : "zzz", "grade" : 8 }

------------------------------------------------------------
> db.food.insert({_id:1,fruits:['apple','mango']})
WriteResult({ "nInserted" : 1 })

> db.food.find({fruits:['pineapple','mango','orange']});
{ "_id" : 3, "fruits" : [ "pineapple", "mango", "orange" ] }

> db.food.find({fruits:{$all:['pineapple']}});
```

```
{ "_id" : 2, "fruits" : [ "pineapple", "mango", "grapes" ] }
{ "_id" : 3, "fruits" : [ "pineapple", "mango", "orange" ] }

> db.food.update({_id:2},{$set:{'fruits.1':'apple'}});
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>
db.food.update({_id:2},{$push:{price:{grapes:80,mango:200,cherry:100}}}
);
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```