```
2) > db.studentmarks.insert({name:"Mala",maths_marks:45,english_marks:53,science_marks:72})
   WriteResult({ "nInserted" : 1 })
   > db.studentmarks.find().pretty()
   > db.studentmarks.insert({name:"Vanu",maths_marks:80,english_marks:75,science_marks:85})
   WriteResult({ "nInserted" : 1 })
   > db.studentmarks.insert({name:"Kala",maths_marks:32,english_marks:46,science_marks:53})
   WriteResult({ "nInserted" : 1 })
   > db.studentmarks.insert({name:"Aruli",maths marks:78,english marks:85,science marks:80})
   WriteResult({ "nInserted" : 1 })
   >db.studentmarks.insert({name:"Shayu",maths marks:80,english marks:76,science marks:65}
   WriteResult({ "nInserted" : 1 })
   db.studentmarks.insert({name:"Kumaran",maths_marks:32,english_marks:73,science_marks:84
   WriteResult({ "nInserted" : 1 })
   db.studentmarks.insert({name:"Lucky",maths marks:66,english marks:90,science marks:45})
   WriteResult({ "nInserted" : 1 })
   > db.studentmarks.insert({name:"Gva",maths marks:71,english marks:75,science marks:56})
   WriteResult({ "nInserted" : 1 })
   >
   db.studentmarks.insert({name:"Raam",maths_marks:41,english_marks:65,science_marks:88})
   WriteResult({ "nInserted" : 1 })
```

3) db.studentmarks.update({name:"Mala"},{\$inc:{maths_marks:1}}) WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

```
> db.studentmarks.update({name:"Mala"},{$inc:{maths_marks:1}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

4) db.studentmarks.find({maths_marks:{\$gt:50}})

```
> db.studentmarks.find({maths_marks:{$gt:50}})
{ "_id" : ObjectId("5925541fda9063f2f9515233"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("5925547da9063f2f9515235"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("592554afda9063f2f9515236"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
{ "_id" : ObjectId("592554afda9063f2f9515238"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 45 }
{ "_id" : ObjectId("59255531da9063f2f9515239"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("59255ceb74f5004cc4c08378"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
```

5) db.studentmarks.find({"maths_marks":{\$gt:50}}).pretty()

6) db.studentmarks.update({},{\$set:{"average":""}},{upsert:false,multi:true})

```
> db.studentmarks.update({},{$set:{"average":""}},{upsert:false,multi:true})
WriteResult({ "nMatched" : 9, "nUpserted" : 0, "nModified" : 9 })
```

7) db.studentmarks.update({name:"Lucky"},{\$rename:{science_marks:"marks_science"}})

```
> db.studentmarks.update({name:"Lucky"},{$rename:{science_marks:"marks_science"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

8) db.studentmarks.find({\$or:[{"maths_marks":{\$gt:50}},{"science_marks":{\$gt:50}}, {"english_marks":{\$gt:50}}]},{"name":1,_id:0}).pretty()

9) db.studentmarks.find({\$or:[{"maths_marks":{\$lt:50}},{"english_marks":{\$gt:50}}]}, {"name":1,_id:0}).pretty()

10) db.studentmarks.find({\$and:[{"maths_marks":{\$lt:40}},{"science_marks":{\$lt:40}}]}, {"name":1, id:0}).pretty()

```
> db.studentmarks.find({$or:[{"maths_marks":{$lt:40}},{"science_marks":{$lt:40}}]},{"name":1,_id:0}).pretty()
{ "name" : "Kumaran" }
{ "name" : "Kala" }
```

11) db.studentmarks.update({name:"Raam"},{\$unset:{science_marks:1}},{multi:false})

```
> db.studentmarks.update({name:"Raam"},{$unset:{science_marks:1}},{multi:false})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
> db.studentmarks.find()
{ "_id" : ObjectId("59268c0f202c12c9a80006b3"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
{ "_id" : ObjectId("59268c12202c12c9a80006b4"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("59268c15202c12c9a80006b5"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b6"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 80 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b7"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b7"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "marks_science" : 45 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b7"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b7"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 46, "science_marks" : 53 }
```

12) db.studentmarks.insert({name:"John",maths_marks:87,english_marks:23})

```
> db.studentmarks.insert({name:"John",maths_marks:87,english_marks:23})
WriteResult({ "nInserted" : 1 })
> db.studentmarks.find()
{ "_id" : ObjectId("59268c0f202c12c9a80006b3"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
{ "_id" : ObjectId("59268c12202c12c9a80006b4"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("59268c15202c12c9a80006b5"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b6"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
{ "_id" : ObjectId("59268c1c202c12c9a80006b7"), "name" : "Kumaran", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b8"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 79, "science_marks" : 45 }
{ "_id" : ObjectId("59268c1c202c12c9a80006b8"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("59268c1c202c12c9a80006b8"), "name" : "Raam, "maths_marks" : 41, "english_marks" : 65, "science_marks" : 56 }
{ "_id" : ObjectId("59268dd7202c12c9a80006bb"), "name" : "Raam, "maths_marks" : 41, "english_marks" : 65, "science_marks" : 53 }
{ "_id" : ObjectId("59268dd7202c12c9a80006bb"), "name" : "Raam, "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c16202c12c9a80006bb"), "name" : "Raam, "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c16202c12c9a80006bb"), "name" : "Raam, "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
```

13) db.studentmarks.update ({"name":"John"},{\$rename: {"english_marks":"science_marks"}},false,true)

```
> db.studentmarks.update({"name":"John"},{$rename:{"english_marks":"science_marks"}},false,true)
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 0 })
> db.studentmarks.find()
{ "_id" : ObjectId("59268c0f202c12c9a80006b3"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
{ "_id" : ObjectId("59268c12202c12c9a80006b4"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("59268c15202c12c9a80006b5"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b5"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
{ "_id" : ObjectId("59268c1c202c12c9a80006b7"), "name" : "Stayu", "maths_marks" : 32, "english_marks" : 73, "science_marks" : 84 }
{ "_id" : ObjectId("59268c1d202c12c9a80006b8"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "marks_science" : 45 }
{ "_id" : ObjectId("59268c1e202c12c9a80006b9"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b9"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b9"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b9"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c16202c12c9a80006b9"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c16202c12c9a80006b9"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c000e3918f1abd075341"), "name" : "Roam", "maths_marks" : 87, "science_marks" : 23 }
```

14) db.studentmarks.remove({"name":"Kumaran"},{})

```
> db.studentmarks.remove({"name":"Kumaran"},{})
WriteResult({ "nRemoved" : 1 })
db.studentmarks.find()
{ "_id" : ObjectId("59268c0f202c12c9a80006b3"), "name" : "Mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
{ "_id" : ObjectId("59268c12202c12c9a80006b4"), "name" : "Vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("59268c15202c12c9a80006b5"), "name" : "Aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("59268c1a202c12c9a80006b6"), "name" : "Shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
{ "_id" : ObjectId("59268c1d202c12c9a80006b8"), "name" : "Lucky", "maths_marks" : 66, "english_marks" : 90, "marks_science" : 45 }
{ "_id" : ObjectId("59268c1e202c12c9a80006b8"), "name" : "Gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b8"), "name" : "Raam", "maths_marks" : 41, "english_marks" : 65 }
{ "_id" : ObjectId("59268c1f202c12c9a80006b8"), "name" : "Raam", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("59268c192c12c9a80006b8"), "name" : "Kala", "maths_marks" : 32, "english_marks" : 46, "science_marks" : 53 }
{ "_id" : ObjectId("5926c090e8918f1abd075341"), "name" : "John", "maths_marks" : 87, "science_marks" : 23 }
```

15) db.studentmarks.find({\$or:[{name:"Kala"},{name:"Aruli"}]}, {"name":1,_id:0,maths_marks:1,science_marks:1}).pretty()

```
> db.studentmarks.find({$or:[{name:"Kala"},{name:"Aruli"}]},{"name":1,_id:0,maths_marks:1,science_marks:1}).pretty()
{ "name" : "Aruli", "maths_marks" : 78, "science_marks" : 80 }
{ "name" : "Kala", "maths_marks" : 32, "science_marks" : 53 }
```