

Mongodb Exercises 02

01.use students

```
> use students
switched to db students
```

```
02.db.studentmarks.insert({name:"mala",maths_marks:45,english_marks:53,science_marks:72})
> db.studentmarks.insert({name:"mala",maths_marks:45,english_marks:53,science_marks:72})
WriteResult({ "nInserted" : 1 })
```

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03. db.studentmarks.insert({name:"kala",maths_marks:32,english_marks:46,science_marks:53})
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```
db.studentmarks.insert({name:"aruli",maths_marks:78,english_marks:85,science_marks:80})
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```
db.studentmarks.insert({name:"aruli",maths_marks:78,english_marks:85,science_marks:80})
```

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db.studentmarks.insert({name:"shayu",maths_marks:80,english_marks:76,science_marks:65})
```

```
db.studentmarks.insert({name:"kumaran",maths_marks:32,english_marks:73,science_marks:84})
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```
db.studentmarks.insert({name:"lucky",maths_marks:66,english_marks:90,science_marks:45})
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```
db.studentmarks.insert({name:"gva",maths_marks:71,english_marks:75,science_marks:56})
```

```
db.studentmarks.insert({name:"raam",maths_marks:41,english_marks:65,science_marks:88})
```

```
> db.studentmarks.insert({name:"mala",maths_marks:45,english_marks:53,science_marks:72})
WriteResult({ "nInserted" : 1 })
> 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 })
```

```
04.db.studentmarks.update({name:"mala"},{$inc:{maths_marks:6}})
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```
> db.studentmarks.update({name:"mala"},{$inc:{maths_marks:6}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

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05.db.studentmarks.find({maths_marks:{$gt:50}})
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```
> db.studentmarks.find({maths_marks:{$gt:50}})
{ "_id" : ObjectId("592554e65d44d5293a47db49"), "name" : "mala", "maths_marks" : 51, "english_marks" : 53, "science_marks" : 72 }
{ "_id" : ObjectId("5925551d5d44d5293a47db4a"), "name" : "vanu", "maths_marks" : 80, "english_marks" : 75, "science_marks" : 85 }
{ "_id" : ObjectId("592555695d44d5293a47db4c"), "name" : "aruli", "maths_marks" : 78, "english_marks" : 85, "science_marks" : 80 }
{ "_id" : ObjectId("5925558c5d44d5293a47db4d"), "name" : "shayu", "maths_marks" : 80, "english_marks" : 76, "science_marks" : 65 }
{ "_id" : ObjectId("592555d45d44d5293a47db4f"), "name" : "lucky", "maths_marks" : 66, "english_marks" : 90, "science_marks" : 45 }
{ "_id" : ObjectId("5925560e5d44d5293a47db50"), "name" : "gva", "maths_marks" : 71, "english_marks" : 75, "science_marks" : 56 }
```

```
06. db.studentmarks.update({},{$set:{"average":""}},{upsert:false,multi:true})
> db.studentmarks.update({},{$set:{"average":""}},{upsert:false,multi:true})
WriteResult({ "nMatched" : 8, "nUpserted" : 0, "nModified" : 1 })
```

```
07. db.studentmarks.update({"_id" : ObjectId("592555d45d44d5293a47db4f")},
    {$set:{"science_marks":75}})
> db.studentmarks.update({"_id" : ObjectId("592555d45d44d5293a47db4f")},{$set:{"science_marks":75}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

```
08. db.studentmarks.find({$or:[{"maths_marks":{$gt:50}},{"english_marks":{$gt:50}},
{"science_marks":{$gt:50}}},{ "name":1,_id:0}).pretty()
db.studentmarks.find({$or:[{"maths_marks":{$gt:50}},{"english_marks":{$gt:50}},{"science_marks":{$gt:50}}},{ "name":1,_id:0}).pretty()
{"name" : "mala" }
{"name" : "vanu" }
{"name" : "kala" }
{"name" : "aruli" }
{"name" : "shayu" }
{"name" : "lucky" }
{"name" : "gva" }
{"name" : "john" }
```

```
09. db.studentmarks.find({$or:[{"maths_marks":{$gt:50}},{"english_marks":{$gt:50}}]},
{"name":1,_id:0}).pretty()
db.studentmarks.find({$or:[{"maths_marks":{$gt:50}},{"english_marks":{$gt:50}}},{ "name":1,_id:0}).pretty()
{"name" : "mala" }
{"name" : "vanu" }
{"name" : "aruli" }
{"name" : "shayu" }
{"name" : "lucky" }
{"name" : "gva" }
{"name" : "john" }
```

```
10. db.studentmarks.find({$or:[{"maths_marks":{$gt:40}},{"science_marks":{$gt:40}}]},
{"name":1,_id:0}).pretty()
> db.studentmarks.find({$or:[{"maths_marks":{$gt:40}},{"science_marks":{$gt:40}}},{ "name":1,_id:0}).pre
{"name" : "mala" }
{"name" : "vanu" }
{"name" : "kala" }
{"name" : "aruli" }
{"name" : "shayu" }
{"name" : "lucky" }
{"name" : "gva" }
{"name" : "john" }
```

```
11. db.studentmarks.remove({"_id" : ObjectId("5925562f5d44d5293a47db51")},
    {"science_marks":88})
> db.studentmarks.remove({"_id" : ObjectId("5925562f5d44d5293a47db51")},{"science_marks":88})
WriteResult({ "nRemoved" : 1 })
```

```
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 })
```

```
13. db.studentmarks.update({"_id" : ObjectId("59256fd559b6eb1c62984b6f")},
    {$rename:{"english_marks":"science_marks"}})
> db.studentmarks.update({"_id" : ObjectId("59256fd559b6eb1c62984b6f")},{$rename:{"english_marks":"science_marks"}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })
```

14.db.studentmarks.remove({"_id" : ObjectId("592555b45d44d5293a47db4e")})

```
> db.studentmarks.remove({"_id" : ObjectId("592555b45d44d5293a47db4e")})
WriteResult({ "nRemoved" : 1 })
> █
```

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