use my\_first\_db

db.createCollection(‘students’)

db.students.insert( { name: “amy”, home\_state: “texas”, lucky\_number: 11, birthday: {month: 01, day: 01, year: 1980}})

…..(and I did this 4 more times)…

db.students.find()

db.stuents.find({home\_state: “California” })

db.students.find({lucky\_number: {$gt: 3}})

db.students.find({ lucky\_number: {$lte: 10}})

db.students.find({$and: [{ lucky\_number: {$lte: 9} }, { lucky\_number: {$gte: 1} } ] }).pretty()

Add an array:

db.students.update({lucky\_number: {$gte: 0}},{$push: { interests: ['coding', 'brunch','MongoDB']} }, {multi:true} )

Add to an array:

db.students.update({lucky\_number: {$gte: 0}},{$push: { interests:{$each: ['food', 'games','school']}} }, {multi:true})

Remove from an array:

db.students.update({lucky\_number: {$gte: 0}},{$pull: { interests:{$in: ['food', 'games','school']}}}, {multi:true} )

Remove student from California:

Db.students.remove({home\_state: “California”})

Remove one student by name: (removes first match)

Db.students.remove({name: “amy”}, true)

Add field to each student:

Db.students.update({lucky\_number: {$gte: 0}}, {$set: {number\_of\_belts: 0}} )

> db.students.update({"birthday.year":1979}, {$inc: {lucky\_number: -1}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.find().pretty()

{

"\_id" : ObjectId("587a501ed1418ab5ce8de62d"),

"name" : "amy, home:\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D",

"home\_state" : "texas",

"lucky\_number" : 11,

"birthday" : {

"month" : 1,

"day" : 1,

"year" : 1980

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"number\_of\_belts" : 0

}

{

"\_id" : ObjectId("587a53520f9ad7db9b3ce4fc"),

"name" : "george",

"home\_state" : "Georgia",

"lucky\_number" : 9,

"birthday" : {

"month" : 12,

"day" : 5,

"year" : 1979

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"number\_of\_belts" : 0

}

> db.students.update({ home\_state:"Georgia"}, {$inc: {number\_of\_belts: 1}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.find().pretty()

{

"\_id" : ObjectId("587a501ed1418ab5ce8de62d"),

"name" : "amy, home:\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D",

"home\_state" : "texas",

"lucky\_number" : 11,

"birthday" : {

"month" : 1,

"day" : 1,

"year" : 1980

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"number\_of\_belts" : 0

}

{

"\_id" : ObjectId("587a53520f9ad7db9b3ce4fc"),

"name" : "george",

"home\_state" : "Georgia",

"lucky\_number" : 9,

"birthday" : {

"month" : 12,

"day" : 5,

"year" : 1979

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"number\_of\_belts" : 1

}

> db.students.update({ number\_of\_belts: {$gte: 0}}, {$rename: {number\_of\_belts:'belts\_earned'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.update({ number\_of\_belts: {$gte: 0}}, {$rename: {number\_of\_belts:'belts\_earned'}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.find().pretty()

{

"\_id" : ObjectId("587a501ed1418ab5ce8de62d"),

"name" : "amy, home:\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D",

"home\_state" : "texas",

"lucky\_number" : 11,

"birthday" : {

"month" : 1,

"day" : 1,

"year" : 1980

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 0

}

{

"\_id" : ObjectId("587a53520f9ad7db9b3ce4fc"),

"name" : "george",

"home\_state" : "Georgia",

"lucky\_number" : 9,

"birthday" : {

"month" : 12,

"day" : 5,

"year" : 1979

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 1

}

> db.students.update({belts\_earned: {$gte:0}},{$unset:{lucky\_number:""}})

WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

>

> db.students.update({belts\_earned: {$gte:0}},{$unset:{lucky\_number:""}},{multi: true})

WriteResult({ "nMatched" : 2, "nUpserted" : 0, "nModified" : 1 })

> db.students.find().pretty()

{

"\_id" : ObjectId("587a501ed1418ab5ce8de62d"),

"name" : "amy, home:\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D",

"home\_state" : "texas",

"birthday" : {

"month" : 1,

"day" : 1,

"year" : 1980

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 0

}

{

"\_id" : ObjectId("587a53520f9ad7db9b3ce4fc"),

"name" : "george",

"home\_state" : "Georgia",

"birthday" : {

"month" : 12,

"day" : 5,

"year" : 1979

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 1

}

> db.students.update({belts\_earned: {$gte:0}},{$currentDate: {updated\_on:{$type: "date"}}} ,{multi:true})

WriteResult({ "nMatched" : 2, "nUpserted" : 0, "nModified" : 2 })

> db.students.find().pretty()

{

"\_id" : ObjectId("587a501ed1418ab5ce8de62d"),

"name" : "amy, home:\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D\u001b[D",

"home\_state" : "texas",

"birthday" : {

"month" : 1,

"day" : 1,

"year" : 1980

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 0,

"updated\_on" : ISODate("2017-01-14T18:14:23.266Z")

}

{

"\_id" : ObjectId("587a53520f9ad7db9b3ce4fc"),

"name" : "george",

"home\_state" : "Georgia",

"birthday" : {

"month" : 12,

"day" : 5,

"year" : 1979

},

"interests" : [

"coding",

"brunch",

"MongoDB",

"movies"

],

"belts\_earned" : 1,

"updated\_on" : ISODate("2017-01-14T18:14:23.266Z")

}

>