> use my\_first\_db

switched to db my\_first\_db

> db.createCollection("students")

{ "ok" : 1 }

> db.my\_first\_db.insert({name:"Pri",home\_state:"Virginia",lucky\_number:5,birthday:{month:07,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.insert({name:"Allan",home\_state:"Virginia",lucky\_number:10,birthday:{month:06,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.insert({name:"Lance",home\_state:"Virginia",lucky\_number:10,birthday:{month:05,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.insert({name:"Karen",home\_state:"Virginia",lucky\_number:10,birthday:{month:04,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.insert({name:"Jacob",home\_state:"Virginia",lucky\_number:10,birthday:{month:04,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab55fc940a6e8cca49fce3"),

"name" : "Allan",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 6,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5612940a6e8cca49fce4"),

"name" : "Lance",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 5,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.find(birthday:{month:04,day:30,year:1987}).pretty()

2016-08-10T12:31:01.443-0400 E QUERY [thread1] SyntaxError: missing ) after argument list @(shell):1:28

> db.my\_first\_db.find({birthday:{month:04,day:30,year:1987}}).pretty()

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.find( { $or: [ {birthday:{month:04,day:30,year:1987}}{birthday:{month:07,day:30,year:1987}}]})

2016-08-10T12:38:26.821-0400 E QUERY [thread1] SyntaxError: missing ] after element list @(shell):1:68

> db.my\_first\_db.find( { $or: [ {birthday:{month:04,day:30,year:1987}},{birthday:{month:07,day:30,year:1987}}]})

{ "\_id" : ObjectId("57ab55dd940a6e8cca49fce2"), "name" : "Pri", "home\_state" : "Virginia", "lucky\_number" : 5, "birthday" : { "month" : 7, "day" : 30, "year" : 1987 } }

{ "\_id" : ObjectId("57ab5626940a6e8cca49fce5"), "name" : "Karen", "home\_state" : "Virginia", "lucky\_number" : 10, "birthday" : { "month" : 4, "day" : 30, "year" : 1987 } }

{ "\_id" : ObjectId("57ab5635940a6e8cca49fce6"), "name" : "Jacob", "home\_state" : "Virginia", "lucky\_number" : 10, "birthday" : { "month" : 4, "day" : 30, "year" : 1987 } }

> db.my\_first\_db.find( { $or: [ {birthday:{month:04,day:30,year:1987}},{birthday:{month:07,day:30,year:1987}}]}).pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.update({name:"Jacob"},{$set:{lucky\_number:45}})

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

> db.my\_first\_db.find({name:"Jacob"}).pretty()

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 45,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.update({name:"Lance"},{$set:{lucky\_number:100}})

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

> db.my\_first\_db.update({name:"Karen"},{$set:{lucky\_number:20}})

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

> db.my\_first\_db.find({lucky\_number: {$lt: 10} } ).pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.find({lucky\_number: {$gt: 10} } ).pretty()

{

"\_id" : ObjectId("57ab5612940a6e8cca49fce4"),

"name" : "Lance",

"home\_state" : "Virginia",

"lucky\_number" : 100,

"birthday" : {

"month" : 5,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 20,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 45,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.find({ lucky\_number: { $in: [ 1,2,3,4,5,6,7,8,9] } }).pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.find({ lucky\_number: { $in: [ 1,2,3,4,5,6,7,8,9,10] } }).pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

}

}

{

"\_id" : ObjectId("57ab55fc940a6e8cca49fce3"),

"name" : "Allan",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 6,

"day" : 30,

"year" : 1987

}

}

> db.books.update(

... { stock: { $lte: 10 } },

... { $set: { reorder: true } },

... { multi: true }

... )

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

> db.students.update({interests:["coding","brunch","Mongodb"]},{multi:true})

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

> db.students.update({$set:{interests:["coding","brunch","Mongodb"]},{multi:true})

... }

2016-08-10T13:50:07.560-0400 E QUERY [thread1] SyntaxError: invalid property id @(shell):1:67

> db.students.update({$set:{interests:["coding","brunch","Mongodb"]},{multi:true})

... }

2016-08-10T13:50:29.661-0400 E QUERY [thread1] SyntaxError: invalid property id @(shell):1:67

> db.students.update({$set:{interests:["coding","brunch","Mongodb"]},{multi:true}})

2016-08-10T13:50:39.373-0400 E QUERY [thread1] SyntaxError: invalid property id @(shell):1:67

> db.students.update({},{$set:{interests:["coding","brunch","Mongodb"]},{multi:true}})

2016-08-10T13:53:48.287-0400 E QUERY [thread1] SyntaxError: invalid property id @(shell):1:70

> db.students.update({},{$set:{interests:["coding","brunch","Mongodb"]}},{multi:true})

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

> db.students.find()

> db.students.find({})

> show collections

my\_first\_db

students

> db.my\_first\_db.update({},{$set:{interests:["coding","brunch","Mongodb"]}},{multi:true}

... )

WriteResult({ "nMatched" : 5, "nUpserted" : 0, "nModified" : 5 })

> db.my\_first\_db.update({name:"Karen"},{$set:{interests:[hockey]}})

2016-08-10T14:01:11.769-0400 E QUERY [thread1] ReferenceError: hockey is not defined :

@(shell):1:56

> db.my\_first\_db.update({name:"Karen"},{$push:{interests:(hockey)}})

2016-08-10T14:06:37.381-0400 E QUERY [thread1] ReferenceError: hockey is not defined :

@(shell):1:46

> db.my\_first\_db.update({name:"Karen"},{$push:{interests:("hockey")}})

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

> db.my\_first\_db.update({name:"Pri"},{$push:{interests:("Tennis")}})

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

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

]

}

{

"\_id" : ObjectId("57ab55fc940a6e8cca49fce3"),

"name" : "Allan",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 6,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb"

]

}

{

"\_id" : ObjectId("57ab5612940a6e8cca49fce4"),

"name" : "Lance",

"home\_state" : "Virginia",

"lucky\_number" : 100,

"birthday" : {

"month" : 5,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb"

]

}

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 20,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"hockey"

]

}

{

"\_id" : ObjectId("57ab5635940a6e8cca49fce6"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 45,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb"

]

}

> db.my\_first\_db.update({name:"Karen"},{$pop:{interests:("hockey")}})

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

> db.my\_first\_db.find({name:"Karen"}).pretty()

{

"\_id" : ObjectId("57ab5626940a6e8cca49fce5"),

"name" : "Karen",

"home\_state" : "Virginia",

"lucky\_number" : 20,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb"

]

}

> db.my\_first\_db.remove( { $or: [ {birthday:{month:04,day:30,year:1987}},{birthday:{month:06,day:30,year:1987}}]}).pretty()

2016-08-10T14:12:10.610-0400 E QUERY [thread1] TypeError: db.my\_first\_db.remove(...).pretty is not a function :

@(shell):1:1

> db.my\_first\_db.remove( { $or: [ {birthday:{month:04,day:30,year:1987}},{birthday:{month:06,day:30,year:1987}}]})

WriteResult({ "nRemoved" : 0 })

> db.my\_first\_db.update({}, ($pull:{$elemMatch:{birthday:{month:04,day:30,year:1987}}},{multi:true})

... )

2016-08-10T14:24:00.200-0400 E QUERY [thread1] SyntaxError: missing ) in parenthetical @(shell):1:32

> db.my\_first\_db.update({}, ($pull:{$elemMatch:{birthday:{month:04,day:30,year:1987}}},{multi:true}))

2016-08-10T14:24:31.956-0400 E QUERY [thread1] SyntaxError: missing ) in parenthetical @(shell):1:32

> db.my\_first\_db.remove({birthday:{month:04,day:30,year:1987}})

WriteResult({ "nRemoved" : 0 })

> db.my\_first\_db.remove({birthday:{month:04,day:30,year:1987}},true)

WriteResult({ "nRemoved" : 0 })

> db.my\_first\_db.remove({name:"Karen"},true)

WriteResult({ "nRemoved" : 0 })

> db.my\_first\_db.find()

{ "\_id" : ObjectId("57ab55dd940a6e8cca49fce2"), "name" : "Pri", "home\_state" : "Virginia", "lucky\_number" : 5, "birthday" : { "month" : 7, "day" : 30, "year" : 1987 }, "interests" : [ "coding", "brunch", "Mongodb", "Tennis" ] }

{ "\_id" : ObjectId("57ab5612940a6e8cca49fce4"), "name" : "Lance", "home\_state" : "Virginia", "lucky\_number" : 100, "birthday" : { "month" : 5, "day" : 30, "year" : 1987 }, "interests" : [ "coding", "brunch", "Mongodb" ] }

> db.my\_first\_db.find().pretty

function (){

this.\_prettyShell = true;

return this;

}

> db.my\_first\_db.remove({name:"Lance"},true)

WriteResult({ "nRemoved" : 1 })

> db.my\_first\_db.insert({name:"Jacob",home\_state:"Virginia",lucky\_number:10,birthday:{month:04,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.remove({birthday:{month:05,day:30,year:1987}},true)

WriteResult({ "nRemoved" : 0 })

> db.my\_first\_db.remove({lucky\_number:{$gt:8}},true)

WriteResult({ "nRemoved" : 1 })

> db.students.update({},{$set:{number\_of\_belts:0}},{multi:true})

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

> db.my\_first\_db.update({},{$set:{number\_of\_belts:0}},{multi:true})

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

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

],

"number\_of\_belts" : 0

}

> db.my\_first\_db.update({},{$set:{number\_of\_belts:1}},{multi:true})

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

> db.my\_first\_db.insert({name:"Jacob",home\_state:"Virginia",lucky\_number:10,birthday:{month:04,day:30,year:1987}})

WriteResult({ "nInserted" : 1 })

> db.my\_first\_db.find()

{ "\_id" : ObjectId("57ab55dd940a6e8cca49fce2"), "name" : "Pri", "home\_state" : "Virginia", "lucky\_number" : 5, "birthday" : { "month" : 7, "day" : 30, "year" : 1987 }, "interests" : [ "coding", "brunch", "Mongodb", "Tennis" ], "number\_of\_belts" : 1 }

{ "\_id" : ObjectId("57ab74a2940a6e8cca49fce8"), "name" : "Jacob", "home\_state" : "Virginia", "lucky\_number" : 10, "birthday" : { "month" : 4, "day" : 30, "year" : 1987 } }

> db.my\_first\_db.find().pretty

function (){

this.\_prettyShell = true;

return this;

}

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

],

"number\_of\_belts" : 1

}

{

"\_id" : ObjectId("57ab74a2940a6e8cca49fce8"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "lucky\_name": 68 } } )

WriteResult({

"nMatched" : 0,

"nUpserted" : 0,

"nModified" : 0,

"writeError" : {

"code" : 2,

"errmsg" : "The 'to' field for $rename must be a string: lucky\_name: 68.0"

}

})

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "lucky\_name": "68" } } )

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

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

],

"number\_of\_belts" : 1

}

{

"\_id" : ObjectId("57ab74a2940a6e8cca49fce8"),

"name" : "Jacob",

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

}

}

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "name": "Karen" } } )

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

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

],

"number\_of\_belts" : 1

}

{

"\_id" : ObjectId("57ab74a2940a6e8cca49fce8"),

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

},

"Karen" : "Jacob"

}

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "name": "name","jacob":"karen" } } )

WriteResult({

"nMatched" : 0,

"nUpserted" : 0,

"nModified" : 0,

"writeError" : {

"code" : 2,

"errmsg" : "The source and target field for $rename must differ: name: \"name\""

}

})

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "name": "first\_name","jacob":"karen" } } )

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

> db.my\_first\_db.update( {name:"Jacob" }, { $rename: { "name": "first\_name","Jacob":"karen" } } )

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

> db.my\_first\_db.update({},{$set:{updated\_on:08-10-16}},{multi:true})

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

> db.my\_first\_db.find().pretty()

{

"\_id" : ObjectId("57ab55dd940a6e8cca49fce2"),

"name" : "Pri",

"home\_state" : "Virginia",

"lucky\_number" : 5,

"birthday" : {

"month" : 7,

"day" : 30,

"year" : 1987

},

"interests" : [

"coding",

"brunch",

"Mongodb",

"Tennis"

],

"number\_of\_belts" : 1,

"updated\_on" : -18

}

{

"\_id" : ObjectId("57ab74a2940a6e8cca49fce8"),

"home\_state" : "Virginia",

"lucky\_number" : 10,

"birthday" : {

"month" : 4,

"day" : 30,

"year" : 1987

},

"Karen" : "Jacob",

"updated\_on" : -18

}

>