mmcoe@mmcoe-System-Product-Name:~$ mongo

MongoDB shell version: 2.6.10

connecting to: test

**> db.createCollection("Employee")**

{ "ok" : 1 }

**> db.Employee.insert({name:"Joe", dept:"Operations", salary:5000, age:25})**

WriteResult({ "nInserted" : 1 })

**> db.Employee.insert({name:"Kevin", dept:"Production", salary: 6500, age: 26})**

WriteResult({ "nInserted" : 1 })

**> db.Employee.insert({name:"Jean", dept:"Accounting", salary: 7000, age: 29})**

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({name:"John", dept:"Operations", salary: 7500, age: 30})

WriteResult({ "nInserted" : 1 })

> db.Employee.insert({name:"Leslie", dept:"Production", salary: 8000, age: 28})

WriteResult({ "nInserted" : 1 })

**> db.Employee.find().pretty()**

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 5000,

    "age" : 25

}

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

**> db.Employee.insert([{name:"Allen", dept:"Accounting", salary: 9500, age:32}, {name: "Dennis", dept:"Production", salary:10000, age: 34}, {name:"Baker", dept:"Operations", salary: 110000, age:35}])**

BulkWriteResult({

    "writeErrors" : [ ],

    "writeConcernErrors" : [ ],

    "nInserted" : 3,

    "nUpserted" : 0,

    "nMatched" : 0,

    "nModified" : 0,

    "nRemoved" : 0,

    "upserted" : [ ]

})

**> db.Employee.save({name:"Daniel", dept:"Production",salary:12000, age:38})**

WriteResult({ "nInserted" : 1 })

**> db.Employee.find().pretty()**

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 5000,

    "age" : 25

}

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd9"),

    "name" : "Baker",

    "dept" : "Operations",

    "salary" : 110000,

    "age" : 35

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

**> db.Employee.find({name:"Joe", age:25})**

{ "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"), "name" : "Joe", "dept" : "Operations", "salary" : 5000, "age" : 25 }

**> db.Employee.find({name:"Joe", age:25}).pretty()**

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 5000,

    "age" : 25

}

**> db.Employee.find({salary:{"$gt":5000}}).pretty()**

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd9"),

    "name" : "Baker",

    "dept" : "Operations",

    "salary" : 110000,

    "age" : 35

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

**> db.Employee.update({name:"Joe"},{$set:{dept:"Operations"}})**

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

> db.Employee.find().pretty()

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 5000,

    "age" : 25

}

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd9"),

    "name" : "Baker",

    "dept" : "Operations",

    "salary" : 110000,

    "age" : 35

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

**> db.Employee.update({name:"Joe"},{$inc:{salary: +2000}})**

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

> db.Employee.find().pretty()

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 7000,

    "age" : 25

}

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd9"),

    "name" : "Baker",

    "dept" : "Operations",

    "salary" : 110000,

    "age" : 35

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

**> db.Employee.update({name:"Joe"},{$addToSet:{email:"joe@example.com"}})**

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

> db.Employee.find().pretty()

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530abf1329f5135df2d2cd5"),

    "name" : "John",

    "dept" : "Operations",

    "salary" : 7500,

    "age" : 30

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd9"),

    "name" : "Baker",

    "dept" : "Operations",

    "salary" : 110000,

    "age" : 35

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

{

    "\_id" : ObjectId("6530aa7e329f5135df2d2cd2"),

    "name" : "Joe",

    "dept" : "Operations",

    "salary" : 7000,

    "age" : 25,

    "email" : [

    "joe@example.com"

    ]

}

**> db.Employee.remove({ dept: "Operations" })**

WriteResult({ "nRemoved" : 3 })

> db.Employee.find().pretty()

{

    "\_id" : ObjectId("6530aba0329f5135df2d2cd3"),

    "name" : "Kevin",

    "dept" : "Production",

    "salary" : 6500,

    "age" : 26

}

{

    "\_id" : ObjectId("6530abba329f5135df2d2cd4"),

    "name" : "Jean",

    "dept" : "Accounting",

    "salary" : 7000,

    "age" : 29

}

{

    "\_id" : ObjectId("6530ac11329f5135df2d2cd6"),

    "name" : "Leslie",

    "dept" : "Production",

    "salary" : 8000,

    "age" : 28

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"),

    "name" : "Allen",

    "dept" : "Accounting",

    "salary" : 9500,

    "age" : 32

}

{

    "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"),

    "name" : "Dennis",

    "dept" : "Production",

    "salary" : 10000,

    "age" : 34

}

{

    "\_id" : ObjectId("6530ae03329f5135df2d2cda"),

    "name" : "Daniel",

    "dept" : "Production",

    "salary" : 12000,

    "age" : 38

}

**> db.Employee.find().sort({name:1})**

{ "\_id" : ObjectId("6530ad6a329f5135df2d2cd7"), "name" : "Allen", "dept" : "Accounting", "salary" : 9500, "age" : 32 }

{ "\_id" : ObjectId("6530ae03329f5135df2d2cda"), "name" : "Daniel", "dept" : "Production", "salary" : 12000, "age" : 38 }

{ "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"), "name" : "Dennis", "dept" : "Production", "salary" : 10000, "age" : 34 }

{ "\_id" : ObjectId("6530abba329f5135df2d2cd4"), "name" : "Jean", "dept" : "Accounting", "salary" : 7000, "age" : 29 }

{ "\_id" : ObjectId("6530aba0329f5135df2d2cd3"), "name" : "Kevin", "dept" : "Production", "salary" : 6500, "age" : 26 }

{ "\_id" : ObjectId("6530ac11329f5135df2d2cd6"), "name" : "Leslie", "dept" : "Production", "salary" : 8000, "age" : 28 }

**> db.Employee.find().limit(3)**

{ "\_id" : ObjectId("6530aba0329f5135df2d2cd3"), "name" : "Kevin", "dept" : "Production", "salary" : 6500, "age" : 26 }

{ "\_id" : ObjectId("6530abba329f5135df2d2cd4"), "name" : "Jean", "dept" : "Accounting", "salary" : 7000, "age" : 29 }

{ "\_id" : ObjectId("6530ac11329f5135df2d2cd6"), "name" : "Leslie", "dept" : "Production", "salary" : 8000, "age" : 28 }

**> db.Employee.find().skip(4)**

{ "\_id" : ObjectId("6530ad6a329f5135df2d2cd8"), "name" : "Dennis", "dept" : "Production", "salary" : 10000, "age" : 34 }

{ "\_id" : ObjectId("6530ae03329f5135df2d2cda"), "name" : "Daniel", "dept" : "Production", "salary" : 12000, "age" : 38 }