

mongo

use learn

```
db.unicorns.insert({name: 'Aurora', gender: 'f', weight: 450})
db.unicorns.find()
db.system.indexes.find()
db.unicorns.insert({name: 'Leto', gender: 'm', home: 'Arrakeen', worm: false})
db.unicorns.insert({name: 'Leto', gender: 'm', home: 'Arrakeen', worm: false})
db.unicorns.insert({name: 'Horny', dob: new Date(1992,2,13,7,47), loves:
['carrot','papaya'], weight: 600, gender: 'm', vampires: 63});
db.unicorns.insert({name: 'Aurora', dob: new Date(1991, 0, 24, 13, 0), loves: ['carrot',
'grape'], weight: 450, gender: 'f', vampires: 43});
db.unicorns.insert({name: 'Unicrom', dob: new Date(1973, 1, 9, 22, 10), loves:
['energon', 'redbull'], weight: 984, gender: 'm', vampires: 182});
db.unicorns.insert({name: 'Rooooooodles', dob: new Date(1979, 7, 18, 18, 44), loves:
['apple'], weight: 575, gender: 'm', vampires: 99});
db.unicorns.insert({name: 'Solnara', dob: new Date(1985, 6, 4, 2, 1), loves:['apple',
'carrot', 'chocolate'], weight:550, gender:'f', vampires:80});
db.unicorns.insert({name:'Ayna', dob: new Date(1998, 2, 7, 8, 30), loves: ['strawberry',
'lemon'], weight: 733, gender: 'f', vampires: 40});
db.unicorns.insert({name:'Kenny', dob: new Date(1997, 6, 1, 10, 42), loves: ['grape',
'lemon'], weight: 690, gender: 'm', vampires: 39});
db.unicorns.insert({name: 'Raleigh', dob: new Date(2005, 4, 3, 0, 57), loves: ['apple',
'sugar'], weight: 421, gender: 'm', vampires: 2});
db.unicorns.insert({name: 'Leia', dob: new Date(2001, 9, 8, 14, 53), loves: ['apple',
'watermelon'], weight: 601, gender: 'f', vampires: 33});
db.unicorns.insert({name: 'Pilot', dob: new Date(1997, 2, 1, 5, 3), loves: ['apple',
'watermelon'], weight: 650, gender: 'm', vampires: 54});
db.unicorns.insert({name: 'Nimue', dob: new Date(1999, 11, 20, 16, 15), loves:
['grape', 'carrot'], weight: 540, gender: 'f'});
db.unicorns.insert({name: 'Dunx', dob: new Date(1976, 6, 18, 18, 18), loves: ['grape',
'watermelon'], weight: 704, gender: 'm', vampires: 165});

db.unicorns.find({gender: 'm', weight: {$gt: 700}})
db.unicorns.find({vampires: {$exists: false}})
db.unicorns.find({gender: 'f', $or: [{loves: 'apple'}, {loves: 'orange'}], {weight: {$lt:
500}}}))
db.inventory.find( { status: { $in: [ "A", "D" ] } } )

db.inventory.find( { tags: { $all: ["red", "blank"] } } )
db.inventory.find( { dim_cm: { $elemMatch: { $gt: 22, $lt: 30 } } } )

db.inventory.find( { "tags": { $size: 3 } } )

db.unicorns.find({$where: function() {return false;}})

db.unicorns.update({name: 'Rooooooodles'}, {weight: 590})
```

```
db.unicorns.update({weight: 590}, {$set: {name: 'Rooooooodles', dob: new Date(1979, 7, 18, 18, 44), loves: ['apple'], gender: 'm', vampires: 99}})
db.unicorns.update({name: 'Rooooooodles'}, {$set: {weight: 595}})
```

```
db.unicorns.update({name: 'Pilot'}, {$inc: {vampires: -2}})
db.unicorns.update({name: 'Aurora'}, {$push: {loves: 'sugar'}})
#UPDATE только для первого элемента
db.unicorns.update({name: 'Aurora'}, {$push: {loves: 'sugar'}}, false, true)
```

```
#upsert
db.hits.update({page: 'unicorns'}, {$inc: {hits: 1}}, true);
```

```
db.unicorns.find(null, {name: 1});
db.unicorns.find().sort({weight: -1})
db.unicorns.find().sort({weight: -1}).limit(2).skip(1)
```

```
db.employees.find({'family.mother': 'Chani'})
```

```
db.unicorns.ensureIndex({name: 1});
db.unicorns.ensureIndex({name: 1}, {unique: true});
db.unicorns.ensureIndex({name: 1, vampires: -1});
db.unicorns.dropIndex({name: 1});
```

```
db.unicorns.find().explain()
```

```
db.getLastError()
```

```
db.setProfilingLevel(2);
db.setProfilingLevel(1, 1000);
db.system.profile.find()
```

```
db.createCollection( "contacts",
{ validator: { $or:
[
{ phone: { $type: "string" } },
{ email: { $regex: /@mongodb\.com$/ } },
{ status: { $in: [ "Unknown", "Incomplete" ] } }
]
}
}
```

```
}  
} )
```

```
$ mkdir db1  
$ mkdir db2  
$ mkdir db3  
$ mongod --dbpath db1 --port 27001 --replSet myreplica  
$ mongod --dbpath db2 --port 27002 --replSet myreplica  
$ mongod --dbpath db3 --port 27003 --replSet myreplica
```

```
$ mongo --port 27001  
rs.initiate()  
rs.status()  
rs.add("myhost:27002")  
rs.add("myhost:27003")  
rs.status()
```