

// CRUD

```
> db.students.insert({roll:12,name:'durvesh',city:'nashik'})
WriteResult({ "nInserted" : 1 })

>
db.students.insertMany([{roll:12,name:'durvesh',city:'nashik'},{roll:15,name:'atharva',city:'pune'},{roll:18,name:'aditi',city:'pune'},{roll:21,name:'divyank',city:'aurangabad'},{roll:24,name:'eesha',city:'pune'}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fd31299f85e62679c797b"),
    ObjectId("5f8fd31299f85e62679c797c"),
    ObjectId("5f8fd31299f85e62679c797d"),
    ObjectId("5f8fd31299f85e62679c797e"),
    ObjectId("5f8fd31299f85e62679c797f")
  ]
}

> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e62679c797a"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797c"), "roll" : 15, "name" : "atharva", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797d"), "roll" : 18, "name" : "aditi", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }

>
>
>

> db.students.update({roll:12},{ $set:{name:'Durvesh'}})
WriteResult({ "nMatched" : 1, "nUpserted" : 0, "nModified" : 1 })

> db.students.find()
```

```

{ "_id" : ObjectId("5f8fd24c99f85e62679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797c"), "roll" : 15, "name" : "atharva", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797d"), "roll" : 18, "name" : "aditi", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797e"), "roll" : 21, "name" : "divyank", "city" :
"aurangabad" }

{ "_id" : ObjectId("5f8fd31299f85e62679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }
> db.students.updateMany({city:'pune'},{$set:{city:'PUNE'}})

{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.students.find()

{ "_id" : ObjectId("5f8fd24c99f85e62679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797e"), "roll" : 21, "name" : "divyank", "city" :
"aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797f"), "roll" : 24, "name" : "eesha", "city" : "PUNE" }


> db.students.remove({roll:{$gt:18}})

WriteResult({ "nRemoved" : 2 })
> db.students.find()

{ "_id" : ObjectId("5f8fd24c99f85e62679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
> db.students.remove({name:'durvesh'})

WriteResult({ "nRemoved" : 1 })
> db.students.find()

{ "_id" : ObjectId("5f8fd24c99f85e62679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e62679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }

```

//Comparison Operators

```
>
db.employees2.insertMany([
  {name:'a',city:'vellore',salary:10000},
  {name:'b',city:'mumbai',salary:10000},
  {name:'c',city:'vellore',salary:100000},
  {name:'d',city:'mumbai',salary:30000},
  {name:'e',city:'delhi',salary:300000}])
```

```
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fe04165e78575f2b130d2"),
    ObjectId("5f8fe04165e78575f2b130d3"),
    ObjectId("5f8fe04165e78575f2b130d4"),
    ObjectId("5f8fe04165e78575f2b130d5"),
    ObjectId("5f8fe04165e78575f2b130d6")
  ]
}
```

```
> db.employees2.find()
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d6"), "name" : "e", "city" : "delhi", "salary" : 300000 }
>
```

```
> db.employees2.find({salary:{$eq:10000}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
> db.employees2.find({city:{$eq:'vellore'}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
```

```

> db.employees2.find({salary:{$gte:100000}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d6"), "name" : "e", "city" : "delhi", "salary" : 300000 }
> db.employees2.find({city:{$in:['vellore','mumbai']}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
> db.employees2.find({salary:{$lt:50000}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
> db.employees2.find({city:{$ne:'delhi'}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
> db.employees2.find({city:{$nin:['delhi','mumbai']}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
>

```

// Logical Operators

```

>
db.employees.insertMany([
  {name:'jitendra',country:'india',salary:20000},
  {name:'jinesh',country:'india',salary:5000},
  {name:'dinesh',country:'india',salary:30000}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fdb0865e78575f2b130cc"),

```

```

        ObjectId("5f8fdb0865e78575f2b130cd"),
        ObjectId("5f8fdb0865e78575f2b130ce")
    ]
}
>
db.employees.insertMany([{name:'dinanath',country:'USA',salary:2000000},{name:'jignesh',country:
'UK',salary:509000},{name:'mark',country:'Kenya',salary:2000}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fdb8665e78575f2b130cf"),
    ObjectId("5f8fdb8665e78575f2b130d0"),
    ObjectId("5f8fdb8665e78575f2b130d1")
  ]
}
> db.employees.find()
{ "_id" : ObjectId("5f8fdb0865e78575f2b130cc"), "name" : "jitendra", "country" : "india", "salary" :
20000 }
{ "_id" : ObjectId("5f8fdb0865e78575f2b130cd"), "name" : "jinesh", "country" : "india", "salary" :
5000 }
{ "_id" : ObjectId("5f8fdb0865e78575f2b130ce"), "name" : "dinesh", "country" : "india", "salary" :
30000 }
{ "_id" : ObjectId("5f8fdb8665e78575f2b130cf"), "name" : "dinanath", "country" : "USA", "salary" :
2000000 }
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d0"), "name" : "jignesh", "country" : "UK", "salary" :
509000 }
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d1"), "name" : "mark", "country" : "Kenya", "salary" :
2000 }
> db.employees.find({$and:[{salary:{$gt:10000}},{country:'india'}]})
{ "_id" : ObjectId("5f8fdb0865e78575f2b130cc"), "name" : "jitendra", "country" : "india", "salary" :
20000 }
{ "_id" : ObjectId("5f8fdb0865e78575f2b130ce"), "name" : "dinesh", "country" : "india", "salary" :
30000 }
> db.employees.find({$or:[{salary:{$gt:20000}},{country:'india'}]})

```

```
{ "_id" : ObjectId("5f8fdb0865e78575f2b130cc"), "name" : "jitendra", "country" : "india", "salary" : 20000 }
```

```
{ "_id" : ObjectId("5f8fdb0865e78575f2b130cd"), "name" : "jinesh", "country" : "india", "salary" : 5000 }
```

```
{ "_id" : ObjectId("5f8fdb0865e78575f2b130ce"), "name" : "dinesh", "country" : "india", "salary" : 30000 }
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130cf"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d0"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
```

```
> db.employees.find({$and:[{salary:{$gt:50000}},{country:{$not: {$eq:'india'}}}}})
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130cf"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d0"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
```

```
> db.employees.find({country:{$not: {$eq:'india'}}})
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130cf"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d0"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
```

```
{ "_id" : ObjectId("5f8fdb8665e78575f2b130d1"), "name" : "mark", "country" : "Kenya", "salary" : 2000 }
```

// Outputs

```
C:\WINDOWS\system32\cmd.exe - mongo

> use doorways
switched to db doorways
> db.students.insert([roll:12,name:'durvesh',city:'nashik'])
WriteResult({ "nInserted" : 1 })
> db.students.insertMany([roll:12,name:'durvesh',city:'nashik'],[roll:15,name:'atharva',city:'pune'],[roll:18,name:'aditi',city:'pune'],[roll:21,name:'divyank',city:'aurangabad'],[roll:24,name:'eesha',city:'pune']])
uncaught exception: SyntaxError: missing ) after argument list
g(shell):1:213
> db.students.insertMany([roll:12,name:'durvesh',city:'nashik'],[roll:15,name:'atharva',city:'pune'],[roll:18,name:'aditi',city:'pune'],[roll:21,name:'divyank',city:'aurangabad'],[roll:24,name:'eesha',city:'pune']])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fd31299f85e2679c797b"),
    ObjectId("5f8fd31299f85e2679c797c"),
    ObjectId("5f8fd31299f85e2679c797d"),
    ObjectId("5f8fd31299f85e2679c797e"),
    ObjectId("5f8fd31299f85e2679c797f")
  ]
}
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }
>
>
> db.students.update(roll:12,{set:{name:'Durvesh'}})
WriteResult({ "matched" : 1, "nInserted" : 0, "nModified" : 1 })
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }
> db.students.updateMany(city:'pune',{set:{city:city.toUpperCase()}})
uncaught exception: ReferenceError: city is not defined
g(shell):1:45
> db.students.updateMany(city:'pune',{set:{city:'PUNE'}})
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "PUNE" }
> db.remove(roll:$gt:18)
{
}
```

```
C:\WINDOWS\system32\cmd.exe - mongo

>
>
> db.students.update(roll:12,{set:{name:'Durvesh'}})
WriteResult({ "matched" : 1, "nInserted" : 0, "nModified" : 1 })
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "pune" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }
> db.students.updateMany(city:'pune',{set:{city:city.toUpperCase()}})
uncaught exception: ReferenceError: city is not defined
g(shell):1:45
> db.students.updateMany(city:'pune',{set:{city:'PUNE'}})
{ "acknowledged" : true, "matchedCount" : 3, "modifiedCount" : 3 }
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "PUNE" }
> db.remove(roll:$gt:18)
uncaught exception: TypeError: db.remove is not a function
g(shell):1:1
> db.students.remove(roll:$gt:18)
WriteResult({ "nRemoved" : 2 })
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797b"), "roll" : 12, "name" : "durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
> db.students.remove(name:'durvesh')
WriteResult({ "nRemoved" : 1 })
> db.students.find()
{ "_id" : ObjectId("5f8fd24c99f85e2679c797a"), "roll" : 12, "name" : "Durvesh", "city" : "nashik" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797c"), "roll" : 15, "name" : "atharva", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797d"), "roll" : 18, "name" : "aditi", "city" : "PUNE" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797e"), "roll" : 21, "name" : "divyank", "city" : "aurangabad" }
{ "_id" : ObjectId("5f8fd31299f85e2679c797f"), "roll" : 24, "name" : "eesha", "city" : "pune" }
> db.students.insertMany([roll:35,name:'swatej',city:'mumbai'],[roll:40,name:'utkarsh',city:'mumbai'],[roll:21,name:'divyank',city:'aurangabad'],[roll:24,name:'eesha',city:'pune']])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fd8da99f85e2679c7980"),
    ObjectId("5f8fd8da99f85e2679c7981"),
    ObjectId("5f8fd8da99f85e2679c7982"),
    ObjectId("5f8fd8da99f85e2679c7983")
  ]
}
>
```

```
C:\WINDOWS\system32\cmd.exe - mongo

or with --bind_ip_all to bind to all interfaces. If this behavior is desired, start the server with --bind_ip 127.0.0.1 to disable this warning
...
...
Enable MongoDB's free cloud-based monitoring service, which will then receive and display
metrics about your deployment (disk utilization, CPU, operation statistics, etc).

The monitoring data will be available on a MongoDB website with a unique URL accessible to you
and anyone you share the URL with. MongoDB may use this information to make product
improvements and to suggest MongoDB products and deployment options to you.

To enable free monitoring, run the following command: db.enableFreeMonitoring()
To permanently disable this reminder, run the following command: db.disableFreeMonitoring()
...
> db.employees.insertMany([ {name:'jittendra',country:'india',salary:20000},{name:'jinesh',country:'india',salary:5000},{name:'dinesh',country:'india',salary:30000}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fd0865e78575f2b130cc"),
    ObjectId("5f8fd0865e78575f2b130ce"),
    ObjectId("5f8fd0865e78575f2b130cf")
  ]
}
> db.employees.insertMany([ {name:'dinanath',country:'USA',salary:2000000},{name:'jignesh',country:'UK',salary:509000},{name:'mark',country:'Kenya',salary:2000}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fd0865e78575f2b130cf"),
    ObjectId("5f8fd0865e78575f2b130d0"),
    ObjectId("5f8fd0865e78575f2b130d1")
  ]
}
> db.employees.find()
{ "_id" : ObjectId("5f8fd0865e78575f2b130cc"), "name" : "jittendra", "country" : "india", "salary" : 20000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130ce"), "name" : "jinesh", "country" : "india", "salary" : 5000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130cf"), "name" : "dinesh", "country" : "india", "salary" : 30000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d0"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d1"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d2"), "name" : "mark", "country" : "Kenya", "salary" : 2000 }
> db.employees.find({$and:[{salary:{$gt:100000}},(country:'india')]}))
uncaught exception: SyntaxError: expected property name, got '{' :
@shell>1:25
> db.employees.find({$and:[{salary:{$gt:100000}},(country:'india')]}))
{ "_id" : ObjectId("5f8fd0865e78575f2b130cc"), "name" : "jittendra", "country" : "india", "salary" : 20000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130ce"), "name" : "dinesh", "country" : "india", "salary" : 30000 }
> db.employees.find({$or:[{salary:{$gt:200000}},(country:'india')]}))
{ "_id" : ObjectId("5f8fd0865e78575f2b130cf"), "name" : "jittendra", "country" : "india", "salary" : 20000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d0"), "name" : "jinesh", "country" : "india", "salary" : 5000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d1"), "name" : "dinesh", "country" : "india", "salary" : 30000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d2"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d3"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }

```

```
C:\WINDOWS\system32\cmd.exe - mongo

> db.employees.find({$and:[{salary:{$gt:500000}},(country:{$not:{$eq:'india'}})]})
{ "_id" : ObjectId("5f8fd0865e78575f2b130d0"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d1"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
> db.employees.find((country:{$not:{$eq:'india'}}))
{ "_id" : ObjectId("5f8fd0865e78575f2b130cf"), "name" : "dinanath", "country" : "USA", "salary" : 2000000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d0"), "name" : "jignesh", "country" : "UK", "salary" : 509000 }
{ "_id" : ObjectId("5f8fd0865e78575f2b130d1"), "name" : "mark", "country" : "Kenya", "salary" : 2000 }
> db.employees2.insertMany([ {name:'a',city:'vellore',salary:10000},{name:'b',city:'mumbai',salary:10000},{name:'c',city:'vellore',salary:100000},{name:'d',city:'mumbai',salary:30000},{name:'e',city:'delhi',salary:300000}])
uncaught exception: SyntaxError: unexpected token: ')' :
@shell>1:220
> db.employees2.insertMany([ {name:'a',city:'vellore',salary:10000},{name:'b',city:'mumbai',salary:10000},{name:'c',city:'vellore',salary:100000},{name:'d',city:'mumbai',salary:30000},{name:'e',city:'delhi',salary:300000}])
{
  "acknowledged" : true,
  "insertedIds" : [
    ObjectId("5f8fe04165e78575f2b130d2"),
    ObjectId("5f8fe04165e78575f2b130d3"),
    ObjectId("5f8fe04165e78575f2b130d4"),
    ObjectId("5f8fe04165e78575f2b130d5"),
    ObjectId("5f8fe04165e78575f2b130d6")
  ]
}
> db.employees2.find(salary:{$eq:100000})
uncaught exception: SyntaxError: missing '}' after argument list :
@shell>1:25
> db.employees2.find({salary:{$eq:100000}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
> db.employees2.find({city:{$eq:'vellore'}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d6"), "name" : "e", "city" : "delhi", "salary" : 300000 }
> db.employees2.find({$in:['vellore','mumbai']})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
> db.employees2.find({salary:{$lt:500000}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d5"), "name" : "d", "city" : "mumbai", "salary" : 30000 }
> db.employees2.find({city:{$ne:'delhi'}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d3"), "name" : "b", "city" : "mumbai", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d6"), "name" : "e", "city" : "delhi", "salary" : 300000 }
> db.employees2.find({city:{$in:['delhi','mumbai']}})
{ "_id" : ObjectId("5f8fe04165e78575f2b130d2"), "name" : "a", "city" : "vellore", "salary" : 10000 }
{ "_id" : ObjectId("5f8fe04165e78575f2b130d4"), "name" : "c", "city" : "vellore", "salary" : 100000 }

```