

```
> db.products.find()
< {
  _id: 1,
  name: 'xPhone',
  price: 799,
  releaseDate: 2011-05-14T00:00:00.000Z,
  spec: {
    ram: 4,
    screen: 6.5,
    cpu: 2.66
  },
  color: [
    'white',
    'black'
  ],
  storage: [
    64,
    128,
    256
  ]
}
{
  _id: 2,
  name: 'xTablet',
  price: 899,
  releaseDate: 2011-09-01T00:00:00.000Z,
  spec: {
```

```
    ram: 16,  
    screen: 9.5,  
    cpu: 3.66  
  },  
  color: [  
    'white',  
    'black',  
    'purple'  
  ],  
  storage: [  
    128,  
    256,  
    512  
  ]  
}  
{  
  _id: 3,  
  name: 'SmartTablet',  
  price: 899,  
  releaseDate: 2015-01-14T00:00:00.000Z,  
  spec: {  
    ram: 12,  
    screen: 9.7,  
    cpu: 3.66  
  },  
  color: [  
    'blue'
```

```
> db.products.find({price:{$lt:500}}, {name:1, price:1});
<
> db.products.find({ "spec.screen": { $lt: 7 } }, { name: 1, _id: 0 })
< {
  name: 'xPhone'
}
> db.products.find(
  { storage: { $lt: 128 } },
  {
    name: 1,
    storage: 1,
    _id: 0
  }
)
< {
  name: 'xPhone',
  storage: [
    64,
    128,
    256
  ]
}
{
  name: 'SmartTablet',
  storage: [
    16,
    64,
```

```

> db.products.find({storage:{$lt:128}}, {name:1, _id:0})
< {
  name: 'xPhone'
}
{
  name: 'SmartTablet'
}
> db.products.find({
  "releaseDate":{
    "$lt": ISODate("2015-01-01")
  }}, {name:1, "releaseDate":1})
< {
  _id: 1,
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z
}
{
  _id: 2,
  name: 'xTablet',
  releaseDate: 2011-09-01T00:00:00.000Z
}

```

```

> db.products.find({releaseDate:{$lte: new ISODate("2015-01-01")}}, {name:1});
< {
  _id: 1,
  name: 'xPhone'
}
{
  _id: 2,
  name: 'xTablet'
}

```

```
> db.products.find({_id:{$lte: 4}},{_id:1,name:1})
```

```
< {  
  _id: 1,  
  name: 'xPhone'  
}  
{  
  _id: 2,  
  name: 'xTablet'  
}  
{  
  _id: 3,  
  name: 'SmartTablet'  
}  
{  
  _id: 4,  
  name: 'SmartPad'  
}
```

```
> db.products.find({_id:{$ne: 4}},{_id:1,name:1})
```

```
< {  
  _id: 1,  
  name: 'xPhone'  
}  
{  
  _id: 2,  
  name: 'xTablet'  
}
```

```

> db.products.find({"spec.cpu":{"$ne:1.66}},{name:1,cpu:1,_id:0})
< {
  name: 'xPhone'
}
{
  name: 'xTablet'
}
{
  name: 'SmartTablet'
}
> db.products.drop()
< true
> db.createCollection("products")
< { ok: 1 }
> db.products.insertMany([
  { "_id" : 1, "name" : "xPhone", "price" : 799, "releaseDate": ISODate("20
  { "_id" : 2, "name" : "xTablet", "price" : 899, "releaseDate": ISODate("2
  { "_id" : 3, "name" : "SmartTablet", "price" : 899, "releaseDate": ISODate("
  { "_id" : 4, "name" : "SmartPad", "price" : 699, "releaseDate": ISODate("
  { "_id" : 5, "name" : "SmartPhone", "price" : 599, "releaseDate": ISODate("
  ,
  { "_id" : 6, "name" : "xWidget", "spec" : { "ram" : 64, "screen" : 9.7, "

```

```
> db.products.find({releaseDate:{$in:[new ISODate("2020-05-14"),new ISODate("2011-09-01")]}},{name:1,
< {
  _id: 2,
  name: 'xTablet',
  price: 899
}
{
  _id: 4,
  name: 'SmartPad',
  price: 699
}
> db.products.find({"spec.screen":{$in:[6.5,9.5]}},{name:1, price:1})
< {
  _id: 1,
  name: 'xPhone',
  price: 799
}
{
  _id: 2,
  name: 'xTablet',
  price: 899
}
> db.products.find({
  color: {
    $nin: [/^g+/, /^w+/]
  }
}, {
```

```
> db.products.find({
  color: {
    $nin: [/^g+/, /^w+/]
  }
}, {
  name: 1,
  color: 1
})
< {
  _id: 3,
  name: 'SmartTablet',
  color: [
    'blue'
  ]
}
```