```
> db.products.find({color: {$all: ["black","white"]}}, {name : 1, color: 1 });
< {
   _id: 1,
   name: 'xPhone',
   color: [
     'white',
     'black'
   _id: 2,
   name: 'xTablet',
   color: [
      'white',
     'black',
      'purple'
```

```
> db.products.find({color:{$all:["black","white"]}},{name:1,color:1})
< {
   _id: 1,
   name: 'xPhone',
   color: [
      'white',
      'black'
   _id: 2,
   name: 'xTablet',
   color: [
      'white',
      'black',
      'purple'
```

```
> db.products.find(
     $and: [
        { color: 'black' },
        { color: 'white' }
   },
   { color: 1 }
    _id: 1,
   color: [
      'white',
      'black'
   _id: 2,
    color: [
      'white',
      'black',
      'purple'
```

```
> db.products.find({storage:{$lt:128}},{name:1,storage:1});
   _id: 1,
   name: 'xPhone',
   storage: [
      64,
     128,
     256
   _id: 3,
   name: 'SmartTablet',
   storage: [
     16,
     64,
      128
```

```
> db.products.find({storage:{$elemMatch:{$lt:128}}},{name:1,storage:1});
   _id: 1,
   name: 'xPhone',
   storage: [
     64,
     128,
     256
   _id: 3,
   name: 'SmartTablet',
   storage: [
     16,
     64,
     128
```

```
> db.products.find({storage:{$elemMatch:{$lt:128}}},{name:1,storage:1}).sort({price:1});
< {
    _id: 1,
    name: 'xPhone',
    storage: [
      64,
      128,
      256
    _id: 3,
    name: 'SmartTablet',
    storage: [
      16,
      64,
      128
```

```
> db.products.find({'price':{$exists:1}},{name:1,price:1}).sort({price:1 })
< {
   _id: 5,
   name: 'SmartPhone',
   price: 599
   _id: 4,
   name: 'SmartPad',
   price: 699
   _id: 1,
   name: 'xPhone',
   price: 799
   _id: 2,
   name: 'xTablet',
   price: 899
   _id: 3,
   name: 'SmartTablet',
   price: 899
```

```
> db.products.find({'price':{$exists:1}},{name:1,price:1}).sort({price:1,name:-1 })
< {
   _id: 5,
   name: 'SmartPhone',
   price: 599
   _id: 4,
   name: 'SmartPad',
   price: 699
   _id: 1,
   name: 'xPhone',
   price: 799
 }
   _id: 2,
   name: 'xTablet',
   price: 899
   _id: 3,
   name: 'SmartTablet',
   price: 899
```

```
> db.products.find({'price':{$exists:1}},{name:1,price:1}).sort({price:1,name:-1 }).limit(1)
< {
   _id: 5,
   name: 'SmartPhone',
   price: 599
> db.products.find({price : {\square 599}},{price : 1}).skip(1)
< {
   _id: 2,
   price: 899
   _id: 3,
   price: 899
   _id: 4,
   price: 699
```

```
> db.products.find(
     releaseDate: { $exists: true },
     _id: { $mod: [2, 0] } // Filter even _id (or use another numeric field)
   },
     name: 1,
     releaseDate: 1
 .sort({ releaseDate: 1 })
 .skip(1) // Skip first 2 matching documents
 .limit(8)
           // Get next 5
   _id: 4,
   name: 'SmartPad',
   releaseDate: 2020-05-14T00:00:00.000Z
```

```
> db.products.find({},{name:1,price:1}).sort({price:-1,name:1}).skip(2).limit(2);
< {
   _id: 1,
   name: 'xPhone',
   price: 799
   _id: 4,
   name: 'SmartPad',
   price: 699
 }
> db.products.updateOne({_id:1},{$set:{price:899}})
< {
   acknowledged: true,
   insertedId: null,
   matchedCount: 1,
   modifiedCount: 1,
   upsertedCount: 0
> db.products.updateOne({price:899}, {$set:{price:null}})
< {
    acknowledged: true,
   insertedId: null,
   matchedCount: 1,
   modifiedCount: 1,
   upsertedCount: 0
```