

```

> db.products.find({color:{$all:["white","black"]}}, {name:1,_id:0})
< {
  name: 'xPhone'
}
{
  name: 'xTablet'
}
> db.products.find({color:{$eq:"white"}}, {name:1,_id:0})
< {
  name: 'xPhone'
}
{
  name: 'xTablet'
}
{
  name: 'SmartPad'
}
{
  name: 'SmartPhone'
}
> db.products.find({storage:{$elemMatch:{$lt:128}}}, {name:1,_id:0})
< {
  name: 'xPhone'
}
{
  name: 'SmartTablet'
}
> db.products.find({price:{$exists:true}}, {name:1,price:1}).sort({price:1})
< {
  _id: 7,
  name: 'xReader',
  price: null
}
{
  _id: 5,
  name: 'SmartPhone',
  price: 599
}
{
  _id: 4,
  name: 'SmartPad',
  price: 699
}
{
  _id: 1,
  name: 'xPhone',
  price: 799
}
{
  _id: 2,
  name: 'xTablet',
  price: 899
}
{
  _id: 3,
  name: 'SmartTablet',
  price: 899
}
> db.products.find({"releaseDate":{$exists:true}}, {name:1,_id:0,releaseDate:1}).sort({releaseDate:1})
< {
  name: 'xPhone',
  releaseDate: 2011-05-14T00:00:00.000Z
}
{
  name: 'xTablet',
  releaseDate: 2011-09-01T00:00:00.000Z
}
{
  name: 'SmartTablet',
  releaseDate: 2015-01-14T00:00:00.000Z
}
{
  name: 'SmartPad',
  releaseDate: 2020-05-14T00:00:00.000Z
}
{
  name: 'SmartPhone',
  releaseDate: 2022-09-14T00:00:00.000Z
}

```

```
> db.products.find({}, {name:1,_id:0,price:1}).sort({price:1}).limit(1)
< {
  name: 'xWidget'
}
> db.products.find({}, {name:1,_id:0,price:1}).sort({price:1}).limit(2)
< {
  name: 'xReader',
  price: null
}
{
  name: 'xWidget'
}
> db.products.find({}, {name:1,_id:0,price:1}).sort({price:-1}).limit(2)
< {
  name: 'SmartTablet',
  price: 899
}
{
  name: 'xTablet',
  price: 899
}
> db.products.find({}, {name:1,_id:0,price:1}).sort({price:-1}).limit(1)
< {
  name: 'xTablet',
  price: 899
}
> db.products.find({price : {$exists:true}}, {price : 1}).skip(2).limit(2)
< {
  _id: 3,
  price: 899
}
{
  _id: 4,
  price: 699
}
> db.products.updateOne({_id:1}, {$set:{price:899}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 1,
  modifiedCount: 1,
  upsertedCount: 0
}
> db.products.updateMany({price:899}, {$set:{price:null}})
< {
  acknowledged: true,
  insertedId: null,
  matchedCount: 2,
  modifiedCount: 2,
  upsertedCount: 0
}
```