

```
task> db.products.find();
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3f"),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
```

Type "it" for more

```
task> db.products.find({product_price:{$gt:400,$lt:800}});
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc40"),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc41"),
    id: '7',
    product_name: 'Practical Soft Shoes',
    product_price: 500,
```



```
task> db.products.find({$or:[{product_price:{$lt:400}},{product_price:{$gt:600}}]});
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3f"),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
    product_color: 'black'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc42"),
    id: '8',
    product_name: 'Incredible Steel Hat',
    product_price: 78,
```

```
test> use task;
switched to db task
task> db.products.find({product_price:{$gt:500}}).limit(5);
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
task> |
```



```
task> db.products.find({}, {product_name:1, product_material:1});
```

```
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    product_name: 'Refined Steel Car',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    product_name: 'Gorgeous Plastic Pants',
    product_material: 'Soft'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3f"),
    product_name: 'Sleek Cotton Chair',
    product_material: 'Fresh'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc40"),
    product_name: 'Awesome Wooden Towels',
    product_material: 'Plastic'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc41"),
    product_name: 'Practical Soft Shoes',
    product_material: 'Rubber'
  }
]
```

```

{ product_name: 'Practical Soft Shoes', product_material: 'Rubber' },
{ product_name: 'Incredible Steel Hat', product_material: 'Rubber' },
{ product_name: 'Awesome Wooden Ball', product_material: 'Soft' },
{ product_name: 'Generic Wooden Pizza', product_material: 'Frozen' },
{ product_name: 'Unbranded Wooden Cheese', product_material: 'Soft' },
{
  product_name: 'Unbranded Plastic Salad',
  product_material: 'Wooden'
},
{
  product_name: 'Gorgeous Cotton Keyboard',
  product_material: 'Concrete'
},
{ product_name: 'Incredible Steel Shirt', product_material: 'Metal' },
{ product_name: 'Ergonomic Cotton Hat', product_material: 'Rubber' },
{ product_name: 'Small Soft Chair', product_material: 'Cotton' },
{ product_name: 'Incredible Metal Car', product_material: 'Fresh' },
{ product_name: 'Licensed Plastic Bacon', product_material: 'Steel' },
{
  product_name: 'Intelligent Cotton Chips',
  product_material: 'Soft'
},
{
  product_name: 'Handcrafted Wooden Bacon',
  product_material: 'Concrete'
}
]

```

Type "it" for more

```
task> db.products.find({id:"10"});
```

```

[
  {
    _id: ObjectId("654c412d8cd6339a24facc44"),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
]

```

```
task>
```



```
}
]
task> db.products.find({}, {_id:0,product_name:1,product_material:1});
[
  {
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  {
    product_name: 'Refined Steel Car', product_material: 'Rubber' },
  {
    product_name: 'Gorgeous Plastic Pants', product_material: 'Soft' },
  {
    product_name: 'Sleek Cotton Chair', product_material: 'Fresh' },
  {
    product_name: 'Awesome Wooden Towels',
    product_material: 'Plastic'
  },
  {
    product_name: 'Practical Soft Shoes', product_material: 'Rubber' },
  {
    product_name: 'Incredible Steel Hat', product_material: 'Rubber' },
  {
    product_name: 'Awesome Wooden Ball', product_material: 'Soft' },
  {
    product_name: 'Generic Wooden Pizza', product_material: 'Frozen' },
  {
    product_name: 'Unbranded Wooden Cheese', product_material: 'Soft' },
  {
    product_name: 'Unbranded Plastic Salad',
    product_material: 'Wooden'
  },
  {
    product_name: 'Gorgeous Cotton Keyboard',
    product_material: 'Concrete'
  },
  {
    product_name: 'Incredible Steel Shirt', product_material: 'Metal' },
  {
    product_name: 'Ergonomic Cotton Hat', product_material: 'Rubber' },
  {
    product_name: 'Small Soft Chair', product_material: 'Cotton' },
  {
    product_name: 'Incredible Metal Car', product_material: 'Fresh' },
  {
    product_name: 'Licensed Plastic Bacon', product_material: 'Steel' },
  {
    product_name: 'Intelligent Cotton Chips',
    product_material: 'Soft'
  }
]
```

```
product_material: 'Soft',
product_color: 'azure'
}
]
task> db.products.find({product_material:"Soft"});
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc43"),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc45"),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc4d"),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  }
]
task>
```



```
task> db.products.find({$or:[{product_color:"indigo"},{product_price:492}]});
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc44"),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc4b"),
    id: '17',
    product_name: 'Incredible Metal Car',
    product_price: 36,
    product_material: 'Fresh',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc53"),
    id: '25',
    product_name: 'Licensed Steel Car',
    product_price: 20,
```

```

Type "it" for more
task> db.products.aggregate([
  { $group: { _id: "$product_price", duplicate: { $addToSet: "$_id" }, count: { $sum: 1 } } },
  { $match: { count: { $gt: 1 } } } ]
).forEach(function (doc) {db.products.deleteMany({_id:{$in:doc.duplicate}});});

task> db.products.find();
[
  {
    _id: ObjectId("654c412d8cd6339a24facc3b"),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3c"),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3d"),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3e"),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId("654c412d8cd6339a24facc3f"),

```