

1 Find all the information about each products

```
db.product.find()
```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79ba'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0ba7b0b8ef306254c79bb'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
.....
{
  _id: ObjectId('65e0ba7b0b8ef306254c79cd'),
  id: '20',
  product_name: 'Handcrafted Wooden Bacon',
  product_price: 36,
  product_material: 'Concrete',
  product_color: 'lime'
}
```

2. Find the product price which are between 400 to 800

```
db.product.find({'product_price':{'$gt:400 , $lt:800}})
```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79ba'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
```

```

    _id: ObjectId('65e0ba7b0b8ef306254c79bc'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
  {
    _id: ObjectId('65e0ba7b0b8ef306254c79bd'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  }
  {
    _id: ObjectId('65e0ba7b0b8ef306254c79bf'),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  }
  {
    _id: ObjectId('65e0ba7b0b8ef306254c79c0'),
    id: '7',
    product_name: 'Practical Soft Shoes',
    product_price: 500,
    product_material: 'Rubber',
    product_color: 'pink'
  }
}

```

3. Find the product price which are not between 400 to 600

```
db.product.find({product_price:{$not:{$gte:400,$lte:600}}})
```

```

{
  _id: ObjectId('65e0ba7b0b8ef306254c79ba'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}

```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79bb'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
```

.....

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79d0'),
  id: '23',
  product_name: 'Intelligent Steel Pizza',
  product_price: 95,
  product_material: 'Cotton',
  product_color: 'azure'
}
```

4. List the four product which are greater than 500 in price

```
db.product.find({'product_price':{$gte:500}}).limit(4)
```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79ba'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0ba7b0b8ef306254c79bb'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65e0ba7b0b8ef306254c79bc'),
  id: '3',
  product_name: 'Refined Steel Car',
```

```

    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
  {
    _id: ObjectId('65e0ba7b0b8ef306254c79c0'),
    id: '7',
    product_name: 'Practical Soft Shoes',
    product_price: 500,
    product_material: 'Rubber',
    product_color: 'pink'
  }

```

5. Find the product name and product material of each products

```

db.product.find({}, {'product_name':1,product_material:1})
{
  _id: ObjectId('65e0ba7b0b8ef306254c79ba'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
...
{
  _id: ObjectId('65e0ba7b0b8ef306254c79cd'),
  product_name: 'Handcrafted Wooden Bacon',
  product_material: 'Concrete'
}

```

6. Find the product with a row id of 10

```

db.product.find({'id':'10'})
{
  _id: ObjectId('65e0ba7b0b8ef306254c79c3'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}

```

7. Find only the product name and product material

```

db.product.find({}, {'product_name':1,product_material:1,_id:0})

```

```
{
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
....
{
  product_name: 'Handcrafted Wooden Bacon',
  product_material: 'Concrete'
}
```

8. Find all products which contain the value of soft in product material

```
db.product.find({product_material:'Soft'})
```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79cc'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
```

9. Find products which contain product color indigo and product price 492.00

```
db.product.find({$or:[{product_color:'indigo'},{product_price:492}]})
```

```
{
  _id: ObjectId('65e0ba7b0b8ef306254c79d2'),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 20,
  product_material: 'Cotton',
  product_color: 'indigo'
}
```

10. Delete the products which product price value are same

```
db.product.aggregate([{$group:{_id:'$product_price',count:{$sum:1}}},{ $match: {count:{$gt:1}}}).forEach((e) =>{db.product.deleteMany({product_price: e._id});})
```