

# MangoDB 31 task

1.Find all the information about each products.

```
db.FashionProducts.find();
[
  {
    _id: ObjectId('6736259d90d8212b3c1f7f0f'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('6736259d90d8212b3c1f7f10'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('6736259d90d8212b3c1f7f11'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
```



```
{
  _id: ObjectId('6736259d90d8212b3c1f7f12'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f13'),
  id: '5',
  product_name: 'Sleek Cotton Chair',
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f14'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
```

```
  _id: ObjectId('6736259d90d8212b3c1f7f15'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f16'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f17'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
```

```
  _id: ObjectId('6736259d90d8212b3c1f7f18'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f19'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1a'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
}
```

```
{
  _id: ObjectId('6736259d90d8212b3c1f7f1b'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1c'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1d'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
```

\

```
_id: ObjectId('6736259d90d8212b3c1f7f1e'),  
id: '16',  
product_name: 'Small Soft Chair',  
product_price: 47,  
product_material: 'Cotton',  
product_color: 'teal'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1f'),  
id: '17',  
product_name: 'Incredible Metal Car',  
product_price: 36,  
product_material: 'Fresh',  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f20'),  
id: '18',  
product_name: 'Licensed Plastic Bacon',  
product_price: 88,  
product_material: 'Steel',  
product_color: 'yellow'
```

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

```
db.FashionProducts.find({ product_price: { $gte: 400, $lte: 800 } });
{
  _id: ObjectId('6736259d90d8212b3c1f7f0f'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f11'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f12'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'Inlum'
```



```
    product_color: 'plum'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f14'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f15'),
  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.FashionProducts.find({ product_price: { $not: { $gte: 400, $lte: 600 } } });
{
  _id: ObjectId('6736259d90d8212b3c1f7f0f'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f10'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f11'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
```

```
_id: ObjectId('6736259d90d8212b3c1f7f13'),  
id: '5',  
product_name: 'Sleek Cotton Chair',  
product_price: 33,  
product_material: 'Fresh',  
product_color: 'black'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f16'),  
id: '8',  
product_name: 'Incredible Steel Hat',  
product_price: 78,  
product_material: 'Rubber',  
product_color: 'violet'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f17'),  
id: '9',  
product_name: 'Awesome Wooden Ball',  
product_price: 28,  
product_material: 'Soft',  
product_color: 'azure'
```

```
{
  _id: ObjectId('6736259d90d8212b3c1f7f18'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f19'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1a'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
}
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1b'),  
id: '13',  
product_name: 'Gorgeous Cotton Keyboard',  
product_price: 37,  
product_material: 'Concrete',  
product_color: 'sky blue'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1c'),  
id: '14',  
product_name: 'Incredible Steel Shirt',  
product_price: 54,  
product_material: 'Metal',  
product_color: 'white'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1d'),  
id: '15',  
product_name: 'Ergonomic Cotton Hat',  
product_price: 43,  
product_material: 'Rubber',  
product_color: 'mint green'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1e'),  
id: '16',  
product_name: 'Small Soft Chair',  
product_price: 47,  
product_material: 'Cotton',  
product_color: 'teal'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1f'),  
id: '17',  
product_name: 'Incredible Metal Car',  
product_price: 36,  
product_material: 'Fresh',  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f20'),  
id: '18',  
product_name: 'Licensed Plastic Bacon',  
product_price: 88,  
product_material: 'Steel',  
product_color: 'yellow'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f21'),  
id: '19',  
product_name: 'Intelligent Cotton Chips',  
product_price: 46,  
product_material: 'Soft',  
product_color: 'azure'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f22'),  
id: '20',  
product_name: 'Handcrafted Wooden Bacon',  
product_price: 36,  
product_material: 'Concrete',  
product_color: 'lime'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f23'),  
id: '21',  
product_name: 'Unbranded Granite Chicken',  
product_price: 90,  
product_material: 'Metal',  
product_color: 'gold'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f24'),  
id: '22',  
product_name: 'Ergonomic Soft Hat',  
product_price: 99,  
product_material: 'Rubber',  
product_color: 'black'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f25'),  
id: '23',  
product_name: 'Intelligent Steel Pizza',  
product_price: 95,  
product_material: 'Cotton',  
product_color: 'azure'
```

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```
_id: ObjectId('6736259d90d8212b3c1f7f26'),  
id: '24',  
product_name: 'Tasty Rubber Cheese',  
product_price: 47,  
product_material: 'Frozen',
```



```
Type "it" for more
> it
< {
  _id: ObjectId('6736259d90d8212b3c1f7f26'),
  id: '24',
  product_name: 'Tasty Rubber Cheese',
  product_price: 47,
  product_material: 'Frozen',
  product_color: 'orchid'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f27'),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 20,
  product_material: 'Cotton',
  product_color: 'indigo'
}
school >
```

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

```
db.FashionProducts.find({ product_price: { $gt: 500 } }).limit(4);
{
  _id: ObjectId('6736259d90d8212b3c1f7f0f'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f10'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f11'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
```

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

```
db.FashionProducts.find({}, { product_name: 1, product_material: 1, _id: 0 });
{
  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_name: 'Handcrafted Wooden Bacon',  
    product_material: 'Concrete'  
}
```

Type "it" for more

```
it  
{  
    product_name: 'Unbranded Granite Chicken',  
    product_material: 'Metal'  
}  
{  
    product_name: 'Ergonomic Soft Hat',  
    product_material: 'Rubber'  
}
```

Type "it" for more

> it

< {

product\_name: 'Unbranded Granite Chicken',  
product\_material: 'Metal'

}

{

product\_name: 'Ergonomic Soft Hat',  
product\_material: 'Rubber'

}

{

product\_name: 'Intelligent Steel Pizza',  
product\_material: 'Cotton'

}

{

product\_name: 'Tasty Rubber Cheese',  
product\_material: 'Frozen'

}

{

product\_name: 'Licensed Steel Car',  
product\_material: 'Cotton'

6. Find the product with a row id of 10

```
> db.FashionProducts.find({ id: "10" });  
< {  
  _id: ObjectId('6736259d90d8212b3c1f7f18'),  
  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.FashionProducts.find({}, { product_name: 1, product_material: 1, _id: 0 });  
  
{  
  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_name: 'Handcrafted Wooden Bacon',  
product_material: 'Concrete'
```

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t

```
product_name: 'Unbranded Granite Chicken',  
product_material: 'Metal'
```

```
product_name: 'Ergonomic Soft Hat',  
product_material: 'Rubber'
```

```
}
```

```
Type "it" for more
```

```
> it
```

```
< {
```

```
  product_name: 'Unbranded Granite Chicken',
```

```
  product_material: 'Metal'
```

```
}
```

```
{
```

```
  product_name: 'Ergonomic Soft Hat',
```

```
  product_material: 'Rubber'
```

```
}
```

```
{
```

```
  product_name: 'Intelligent Steel Pizza',
```

```
  product_material: 'Cotton'
```

```
}
```

```
{
```

```
  product_name: 'Tasty Rubber Cheese',
```

```
  product_material: 'Frozen'
```

```
}
```

```
{
```

```
  product_name: 'Licensed Steel Car',
```

```
  product_material: 'Cotton'
```

```
}
```

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

```
db.FashionProducts.find({ product_material: { $regex: /soft/i } });
{
  _id: ObjectId('6736259d90d8212b3c1f7f12'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f17'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
```

```
  _id: ObjectId('6736259d90d8212b3c1f7f17'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f19'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f21'),
  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.FashionProducts.find({}, { product_color: "indigo", product_price: 492 });
{
  _id: ObjectId('6736259d90d8212b3c1f7f0f'),
  product_price: 655,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f10'),
  product_price: 911,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f11'),
  product_price: 690,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f12'),
  product_price: 492,
  product_color: 'indigo'
}
```



```
{
  _id: ObjectId('6736259d90d8212b3c1f7f13'),
  product_price: 33,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f14'),
  product_price: 474,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f15'),
  product_price: 500,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f16'),
  product_price: 78,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f17'),
  product_price: 28,
  product_color: 'indigo'
}
```

```
_id: ObjectId('6736259d90d8212b3c1f7f18'),  
product_price: 84,  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f19'),  
product_price: 26,  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1a'),  
product_price: 89,  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1b'),  
product_price: 37,  
product_color: 'indigo'
```

```
_id: ObjectId('6736259d90d8212b3c1f7f1c'),  
product_price: 54,  
product_color: 'indigo'
```

```
{
  _id: ObjectId('6736259d90d8212b3c1f7f1d'),
  product_price: 43,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1e'),
  product_price: 47,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f1f'),
  product_price: 36,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f20'),
  product_price: 88,
  product_color: 'indigo'
}
{
```

```
{
  _id: ObjectId('6736259d90d8212b3c1f7f21'),
  product_price: 46,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f22'),
  product_price: 36,
  product_color: 'indigo'
}
```

Type "it" for more

```
it
{
  _id: ObjectId('6736259d90d8212b3c1f7f23'),
  product_price: 90,
  product_color: 'indigo'
}
{
  _id: ObjectId('6736259d90d8212b3c1f7f24'),
  product_price: 99,
  product_color: 'indigo'
}
```

```
    product_color: 'indigo'
  }
  {
    _id: ObjectId('6736259d90d8212b3c1f7f24'),
    product_price: 99,
    product_color: 'indigo'
  }
  {
    _id: ObjectId('6736259d90d8212b3c1f7f25'),
    product_price: 95,
    product_color: 'indigo'
  }
  {
    _id: ObjectId('6736259d90d8212b3c1f7f26'),
    product_price: 47,
    product_color: 'indigo'
  }
  {
    _id: ObjectId('6736259d90d8212b3c1f7f27'),
    product_price: 20,
    product_color: 'indigo'
  }
}
```

10.Delete the products which product price value are 28.

```
}  
> db.FashionProducts.deleteMany({ product_price: 28 });  
< {  
  acknowledged: true,  
  deletedCount: 1  
}
```