

## Road-Map Day-35\_Database: Day-3-MongoDB Tasks

### 1. Find all the information about each product?

Answer:

**db.product.find();**

#### Screenshot:

```
db.product.find();
{
  "_id": ObjectId("65e097aa2b7995e11dd6d081"),
  "id": "1",
  "product_name": "Intelligent Fresh Chips",
  "product_price": 555,
  "product_material": "Concrete",
  "product_color": "mint green"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d082"),
  "id": "2",
  "product_name": "Practical Fresh Sausages",
  "product_price": 611,
  "product_material": "Cotton",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d083"),
  "id": "3",
  "product_name": "Refined Steel Car",
  "product_price": 606,
  "product_material": "Rubber",
  "product_color": "gold"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d084"),
  "id": "4",
  "product_name": "Gorgeous Plastic Pants",
  "product_price": 492,
  "product_material": "Soft",
  "product_color": "plum"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d085"),
  "id": "5",
  "product_name": "Sleek Cotton Chair",
  "product_price": 33,
  "product_material": "Fresh",
  "product_color": "black"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d086"),
  "id": "6",
  "product_name": "Awesome Wooden Towels",
  "product_price": 474,
  "product_material": "Plastic",
  "product_color": "orange"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d087"),
  "id": "7",
  "product_name": "Practical Soft Shoes",
  "product_price": 509,
  "product_material": "Rubber",
  "product_color": "pink"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d088"),
  "id": "8",
  "product_name": "Incredible Steel Hat",
  "product_price": 78,
  "product_material": "Rubber",
  "product_color": "violet"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d089"),
  "id": "9",
  "product_name": "Awesome Wooden Ball",
  "product_price": 28,
  "product_material": "Soft",
  "product_color": "azure"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d090"),
  "id": "10",
  "product_name": "Generic Wooden Pizza",
  "product_price": 54,
  "product_material": "Frozen",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d091"),
  "id": "11",
  "product_name": "Unbranded Wooden Cheese",
  "product_price": 25,
  "product_material": "Soft",
  "product_color": "black"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d092"),
  "id": "12",
  "product_name": "Unbranded Plastic Salad",
  "product_price": 89,
  "product_material": "Wooden",
  "product_color": "pink"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d093"),
  "id": "13",
  "product_name": "Gorgeous Cotton Keyboard",
  "product_price": 37,
  "product_material": "Concrete",
  "product_color": "sky blue"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d094"),
  "id": "14",
  "product_name": "Incredible Steel Shirt",
  "product_price": 54,
  "product_material": "Metal",
  "product_color": "white"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d095"),
  "id": "15",
  "product_name": "Ergonomic Cotton Hat",
  "product_price": 43,
  "product_material": "Rubber",
  "product_color": "mint green"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d096"),
  "id": "16",
  "product_name": "Small Soft Chair",
  "product_price": 47,
  "product_material": "Cotton",
  "product_color": "teal"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d097"),
  "id": "17",
  "product_name": "Incredible Metal Car",
  "product_price": 86,
  "product_material": "Fresh",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d098"),
  "id": "18",
  "product_name": "Licensed Plastic Bacon",
  "product_price": 88,
  "product_material": "Steel",
  "product_color": "yellow"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d099"),
  "id": "19",
  "product_name": "Intelligent Cotton Chips",
  "product_price": 46,
  "product_material": "Soft",
  "product_color": "azure"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d100"),
  "id": "20",
  "product_name": "Handcrafted Wooden Bacon",
  "product_price": 36,
  "product_material": "Concrete",
  "product_color": "lime"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d101"),
  "id": "21",
  "product_name": "Unbranded Granite Chicken",
  "product_price": 88,
  "product_material": "Metal",
  "product_color": "gold"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d102"),
  "id": "22",
  "product_name": "Ergonomic Soft Hat",
  "product_price": 86,
  "product_material": "Rubber",
  "product_color": "black"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d103"),
  "id": "23",
  "product_name": "Intelligene Steel Pizza",
  "product_price": 85,
  "product_material": "Cotton",
  "product_color": "azure"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d104"),
  "id": "24",
  "product_name": "Tasty Rubber Cheese",
  "product_price": 47,
  "product_material": "Frozen",
  "product_color": "teal"
}
{
  "_id": ObjectId("65e097aa2b7995e11dd6d105"),
  "id": "25",
  "product_name": "Licensed Steel Car",
  "product_price": 28,
  "product_material": "Cotton",
  "product_color": "Indigo"
}
Type 'help' for more
> ft
```

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

Answer:

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

Screenshot:

```
>_MONGOSH
> db.product.find({'product_price':{'$gt:400, $lt:800}});
< {
  _id: ObjectId('65e897eaa2b7995611ddacfe'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e897eaa2b7995611ddad00'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 698,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('65e897eaa2b7995611ddad01'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('65e897eaa2b7995611ddad03'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
{
  _id: ObjectId('65e897eaa2b7995611ddad04'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 588,
  product_material: 'Rubber',
  product_color: 'pink'
}
guvi>
```

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

Answer:

```
db.product.find({$not : {$gt:400, $lt:800}});
```

**Screenshot:**

```
db.product.find((product_price : ({not : ({gt:400, $lt:800}))))
{
  "_id": ObjectId("65e097aa2b7995611ddaeff"),
  "id": "2",
  "product_name": "Practical Fresh Sausages",
  "product_price": 811,
  "product_material": "Cotton",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad12"),
  "id": "15",
  "product_name": "Sleek Cotton Chair",
  "product_price": 23,
  "product_material": "Fresh",
  "product_color": "Black"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad09"),
  "id": "18",
  "product_name": "Incredible Steel Mat",
  "product_price": 78,
  "product_material": "Rubber",
  "product_color": "Violet"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0e"),
  "id": "19",
  "product_name": "Assume Wooden Ball",
  "product_price": 25,
  "product_material": "Soft",
  "product_color": "Azure"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad07"),
  "id": "18",
  "product_name": "Generic Wooden Pizza",
  "product_price": 88,
  "product_material": "Frozen",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad08"),
  "id": "11",
  "product_name": "Unbranded Wooden Cheese",
  "product_price": 26,
  "product_material": "Soft",
  "product_color": "Black"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad09"),
  "id": "12",
  "product_name": "Unbranded Plastic Salad",
  "product_price": 85,
  "product_material": "Wooden",
  "product_color": "Pink"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0a"),
  "id": "13",
  "product_name": "Gorgeous Cotton Keyboard",
  "product_price": 37,
  "product_material": "Concrete",
  "product_color": "Cyan Blue"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0b"),
  "id": "14",
  "product_name": "Incredible Steel Shirt",
  "product_price": 54,
  "product_material": "Metal",
  "product_color": "White"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0c"),
  "id": "18",
  "product_name": "Ergonomic Cotton Hat",
  "product_price": 42,
  "product_material": "Rubber",
  "product_color": "Mint Green"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0d"),
  "id": "16",
  "product_name": "Small Soft Chair",
  "product_price": 47,
  "product_material": "Cotton",
  "product_color": "Teal"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0e"),
  "id": "17",
  "product_name": "Incredible Metal Car",
  "product_price": 36,
  "product_material": "Fresh",
  "product_color": "Indigo"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad0f"),
  "id": "18",
  "product_name": "Licensed Plastic Bacon",
  "product_price": 80,
  "product_material": "Steel",
  "product_color": "Yellow"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad10"),
  "id": "19",
  "product_name": "Intelligent Cotton Chips",
  "product_price": 68,
  "product_material": "Soft",
  "product_color": "Azure"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad11"),
  "id": "20",
  "product_name": "Handcrafted Wooden Bacon",
  "product_price": 26,
  "product_material": "Concrete",
  "product_color": "Lime"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad12"),
  "id": "21",
  "product_name": "Unbranded Granite Chicken",
  "product_price": 86,
  "product_material": "Metal",
  "product_color": "Gold"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad13"),
  "id": "22",
  "product_name": "Ergonomic Soft Hat",
  "product_price": 80,
  "product_material": "Rubber",
  "product_color": "Black"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad14"),
  "id": "23",
  "product_name": "Intelligent Steel Pizza",
  "product_price": 85,
  "product_material": "Cotton",
  "product_color": "Azure"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad15"),
  "id": "24",
  "product_name": "Tasty Rubber Cheese",
  "product_price": 47,
  "product_material": "Frozen",
  "product_color": "Orchid"
}
{
  "_id": ObjectId("65e097aa2b7995611ddad16"),
  "id": "25",
  "product_name": "Licensed Steel Car",
  "product_price": 20,
  "product_material": "Cotton",
  "product_color": "Indigo"
}
```

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

Answer:

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

Screenshot:

```
> db.product.find({'product_price':{$gte:500}}).limit(4);
< {
  _id: ObjectId('65e097eaa2b7995611ddacfe'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e097eaa2b7995611ddacff'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad00'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad04'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}
null
```

## 5. Find the product name and product material of each product?

Answer:

```
db.product.find({}, {'product_name' : 1, 'product_material' : 1});
```

### Screenshot:

```
> db.product.find({}, {'product_name':1, 'product_material':1});
{
  "_id": ObjectId("65e097aaa2b7995611dda0e0"),
  "product_name": 'Intelligent Fresh Chips',
  "product_material": 'Concrete'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e1"),
  "product_name": 'Practical Fresh Sausages',
  "product_material": 'Cotton'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e2"),
  "product_name": 'Refined Steel Car',
  "product_material": 'Rubber'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e3"),
  "product_name": 'Gorgeous Plastic Pants',
  "product_material": 'Soft'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e4"),
  "product_name": 'Sleak Cotton Chair',
  "product_material": 'Fresh'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e5"),
  "product_name": 'Awesome Wooden Towels',
  "product_material": 'Plastic'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e6"),
  "product_name": 'Practical Soft Shoes',
  "product_material": 'Rubber'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e7"),
  "product_name": 'Incredible Steel Hat',
  "product_material": 'Rubber'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e8"),
  "product_name": 'Awesome Wooden Ball',
  "product_material": 'Soft'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0e9"),
  "product_name": 'Generic Wooden Pizza',
  "product_material": 'Frozen'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0ea"),
  "product_name": 'Unbranded Wooden Cheese',
  "product_material": 'Soft'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0eb"),
  "product_name": 'Unbranded Plastic Salad',
  "product_material": 'Wooden'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0ec"),
  "product_name": 'Gorgeous Cotton Keyboard',
  "product_material": 'Concrete'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0ed"),
  "product_name": 'Incredible Steel Shirt',
  "product_material": 'Metal'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0ee"),
  "product_name": 'Ergonomic Cotton Hat',
  "product_material": 'Rubber'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0ef"),
  "product_name": 'Small Soft Chair',
  "product_material": 'Cotton'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f0"),
  "product_name": 'Licensed Plastic Bacon',
  "product_material": 'Steel'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f1"),
  "product_name": 'Intelligent Cotton Chips',
  "product_material": 'Soft'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f2"),
  "product_name": 'Handcrafted Wooden Bacon',
  "product_material": 'Concrete'
}
}
Type "it" for more
> it
{
  "_id": ObjectId("65e097aaa2b7995611dda0f3"),
  "product_name": 'Unbranded Granite Chicken',
  "product_material": 'Metal'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f4"),
  "product_name": 'Ergonomic Soft Hat',
  "product_material": 'Rubber'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f5"),
  "product_name": 'Intelligent Steel Pizza',
  "product_material": 'Cotton'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f6"),
  "product_name": 'Tasty Rubber Cheese',
  "product_material": 'Frozen'
}
{
  "_id": ObjectId("65e097aaa2b7995611dda0f7"),
  "product_name": 'Licensed Steel Car',
  "product_material": 'Cotton'
}
```

6. Find the product with a row id of 10?

Answer:

**Method-1** → `db.product.findOne({'id' : '10'})`;

**Method-2** → `db.product.find({'id' : {$eq : '10'}})`;

**Screenshot:**

```
> db.product.findOne({'id' : '10'});
< {
  _id: ObjectId('65e097eaa2b7995611ddad07'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
> db.product.find({'id':{$eq : '10'}});
< {
  _id: ObjectId('65e097eaa2b7995611ddad07'),
  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?

Answer:

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

### Screenshot:

```
> db.product.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: 'Turntable 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: '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: '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'
}
}
guvi>
```

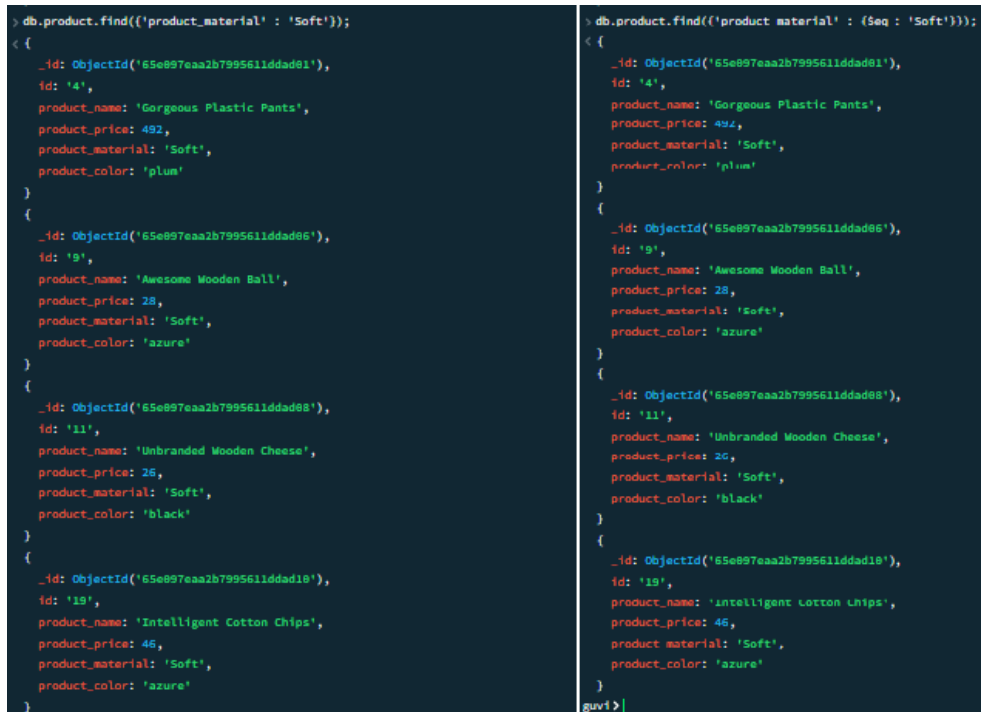
8. Find all products which contain the value of soft in product material?

Answer:

**Method-1** → `db.product.find({'product_material' : 'Soft'})`;

**Method-2** → `db.product.find({'product_material' : {'$eq' : 'Soft'}})`;

Screenshot:



The image shows two side-by-side terminal windows. The left window displays the command `> db.product.find({'product_material' : 'Soft'})` and its output, which is a JSON array of four product documents. The right window displays the command `> db.product.find({'product material' : {'$eq' : 'Soft'}})` and its output, which is also a JSON array of the same four product documents. The products are: 'Gorgeous Plastic Pants' (price 492, color 'plum'), 'Awesome Wooden Ball' (price 28, color 'azure'), 'Unbranded Wooden Cheese' (price 26, color 'black'), and 'Intelligent Cotton Chips' (price 46, color 'azure').

```
> db.product.find({'product_material' : 'Soft'})
< {
  _id: ObjectId('65e097eaa2b7995611ddad81'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad86'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad88'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad18'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
}
```

```
> db.product.find({'product material' : {'$eq' : 'Soft'}})
< {
  _id: ObjectId('65e097eaa2b7995611ddad81'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad86'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad88'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('65e097eaa2b7995611ddad18'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
}
guvi>
```



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

Answer:

**Method-1** → `db.product.find({'product_color' : 'indigo', 'product_price' : 492.00});`

**Method-2** → `db.product.find({'$and' : [{'product_color' : 'indigo'}, {'product_price' : 492.00}]});`

**Method-3** → `db.product.find({'$and' : [{'product_color' : {'$eq' : 'indigo'}}, {'product_price' : {'$eq' : 492.00}}]});`

**Screenshot:**

```
> db.product.find({'product_color':'indigo', 'product_price':492.00});
<
> db.product.find({'product_color':'indigo', 'product_price':492});
<
> db.product.find({'$and' : [{'product_color':{'$eq':'indigo'}}, {'product_price':{'$eq:492.00}}] });
<
> db.product.find({'$and' : [{'product_color':{'$eq':'indigo'}}, {'product_price':{'$eq:492}}] });
<
> db.product.find({'$and' : [{'product_color':'indigo'}, {'product_price':492.00}] });
<
> db.product.find({'$and' : [{'product_color':'indigo'}, {'product_price':492}] });
<
guvi >
```

10. Delete the products which product price value are same?

Answer:

**Method-1** →

```
db.product.aggregate([
  { $group: { _id: "$product_price", count: { $sum: 1 },
    docs: { $push: "$_id" } } },
  { $match: { count: { $gt: 1 } } })
.forEach(function(doc) {
  db.product.deleteOne({_id: {$in: doc.docs.slice(1)}});
});
```

**Method-2** → db.product.deleteMany({\$or : [{ 'product\_price' : {\$eq : 47.00}}, { 'product\_price' : {\$eq : 36.00}}] });

(I done deleteMany manually as per mongodb day-1 taught lessons)

**Screenshot:**



```
> db.product.aggregate([
  {
    $group: {
      _id: "$product_price",
      count: { $sum: 1 },
      docs: { $push: "$_id" }
    }
  },
  {
    $match: {
      count: { $gt: 1 }
    }
  }
]).forEach(function(doc) {
  db.product.deleteOne({_id: {$in: doc.docs.slice(1)}});
});
> db.product.countDocuments();
< 23
guvi>
```

----- End -----