

MONGODB

```
db.users.insertMany([
{
  "id": "1",
  "product_name": "Intelligent Fresh Chips",
  "product_price": 655.00,
  "product_material": "Concrete",
  "product_color": "mint green"
},
{
  "id": "2",
  "product_name": "Practical Fresh Sausages",
  "product_price": 911.0,
  "product_material": "Cotton",
  "product_color": "indigo"
},
{
  "id": "3",
  "product_name": "Refined Steel Car",
  "product_price": 690.00,
  "product_material": "Rubber",
  "product_color": "gold"
},
{
  "id": "4",
  "product_name": "Gorgeous Plastic Pants",
  "product_price": 492.00,
  "product_material": "Soft",
  "product_color": "plum"
},
{
  "id": "5",
  "product_name": "Sleek Cotton Chair",
  "product_price": 33.00,
  "product_material": "Fresh",
  "product_color": "black"
},
{
  "id": "6",
  "product_name": "Awesome Wooden Towels",
  "product_price": 474.00,
  "product_material": "Plastic",
  "product_color": "orange"
}
```

```
},
{
  "id": "7",
  "product_name": "Practical Soft Shoes",
  "product_price": 500.00,
  "product_material": "Rubber",
  "product_color": "pink"
},
{
  "id": "8",
  "product_name": "Incredible Steel Hat",
  "product_price": 78.00,
  "product_material": "Rubber",
  "product_color": "violet"
},
{
  "id": "9",
  "product_name": "Awesome Wooden Ball",
  "product_price": 28.00,
  "product_material": "Soft",
  "product_color": "azure"
},
{
  "id": "10",
  "product_name": "Generic Wooden Pizza",
  "product_price": 84.00,
  "product_material": "Frozen",
  "product_color": "indigo"
},
{
  "id": "11",
  "product_name": "Unbranded Wooden Cheese",
  "product_price": 26.00,
  "product_material": "Soft",
  "product_color": "black"
},
{
  "id": "12",
  "product_name": "Unbranded Plastic Salad",
  "product_price": 89.00,
  "product_material": "Wooden",
  "product_color": "pink"
},
{
```

```
"id": "13",
"product_name": "Gorgeous Cotton Keyboard",
"product_price": 37.00,
"product_material": "Concrete",
"product_color": "sky blue"
},
{
  "id": "14",
  "product_name": "Incredible Steel Shirt",
  "product_price": 54.00,
  "product_material": "Metal",
  "product_color": "white"
},
{
  "id": "15",
  "product_name": "Ergonomic Cotton Hat",
  "product_price": 43.00,
  "product_material": "Rubber",
  "product_color": "mint green"
},
{
  "id": "16",
  "product_name": "Small Soft Chair",
  "product_price": 47.00,
  "product_material": "Cotton",
  "product_color": "teal"
},
{
  "id": "17",
  "product_name": "Incredible Metal Car",
  "product_price": 36.00,
  "product_material": "Fresh",
  "product_color": "indigo"
},
{
  "id": "18",
  "product_name": "Licensed Plastic Bacon",
  "product_price": 88.00,
  "product_material": "Steel",
  "product_color": "yellow"
},
{
  "id": "19",
  "product_name": "Intelligent Cotton Chips",
```

```
"product_price": 46.00,  
"product_material": "Soft",  
"product_color": "azure"  
},  
{  
  "id": "20",  
  "product_name": "Handcrafted Wooden Bacon",  
  "product_price": 36.00,  
  "product_material": "Concrete",  
  "product_color": "lime"  
},  
{  
  "id": "21",  
  "product_name": "Unbranded Granite Chicken",  
  "product_price": 90.00,  
  "product_material": "Metal",  
  "product_color": "gold"  
},  
{  
  "id": "22",  
  "product_name": "Ergonomic Soft Hat",  
  "product_price": 99.00,  
  "product_material": "Rubber",  
  "product_color": "black"  
},  
{  
  "id": "23",  
  "product_name": "Intelligent Steel Pizza",  
  "product_price": 95.00,  
  "product_material": "Cotton",  
  "product_color": "azure"  
},  
{  
  "id": "24",  
  "product_name": "Tasty Rubber Cheese",  
  "product_price": 47.00,  
  "product_material": "Frozen",  
  "product_color": "orchid"  
},  
{  
  "id": "25",  
  "product_name": "Licensed Steel Car",  
  "product_price": 20.00,  
  "product_material": "Cotton",
```

```
    "product_color": "indigo"
  }
})

(
  acknowledged: true,
  insertedIds: [
    '0': ObjectId('668948d6dd21280ef394cb19'),
    '1': ObjectId('668948d6dd21280ef394cb1a'),
    '2': ObjectId('668948d6dd21280ef394cb1b'),
    '3': ObjectId('668948d6dd21280ef394cb1c'),
    '4': ObjectId('668948d6dd21280ef394cb1d'),
    '5': ObjectId('668948d6dd21280ef394cb1e'),
    '6': ObjectId('668948d6dd21280ef394cb1f'),
    '7': ObjectId('668948d6dd21280ef394cb20'),
    '8': ObjectId('668948d6dd21280ef394cb21'),
    '9': ObjectId('668948d6dd21280ef394cb22'),
    '10': ObjectId('668948d6dd21280ef394cb23'),
    '11': ObjectId('668948d6dd21280ef394cb24'),
    '12': ObjectId('668948d6dd21280ef394cb25'),
    '13': ObjectId('668948d6dd21280ef394cb26'),
    '14': ObjectId('668948d6dd21280ef394cb27'),
    '15': ObjectId('668948d6dd21280ef394cb28'),
    '16': ObjectId('668948d6dd21280ef394cb29'),
    '17': ObjectId('668948d6dd21280ef394cb2a'),
    '18': ObjectId('668948d6dd21280ef394cb2b'),
    '19': ObjectId('668948d6dd21280ef394cb2c'),
    '20': ObjectId('668948d6dd21280ef394cb2d'),
    '21': ObjectId('668948d6dd21280ef394cb2e'),
    '22': ObjectId('668948d6dd21280ef394cb2f'),
    '23': ObjectId('668948d6dd21280ef394cb30'),
```

```
    '24': ObjectId('668948d6dd21280ef394cb31')
  }
}
```

Find all the information about each products

Ans:

```
db.users.find()
{
  _id: ObjectId('668948d6dd21280ef394cb19'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1b'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1c'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1d'),
  id: '5',
```

```
product_name: 'Sleek Cotton Chair',
product_price: 33,
product_material: 'Fresh',
product_color: 'black'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1e'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
{
  _id: ObjectId('668948d6dd21280ef394cb1f'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}
{
  _id: ObjectId('668948d6dd21280ef394cb20'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
}
{
  _id: ObjectId('668948d6dd21280ef394cb21'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('668948d6dd21280ef394cb22'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
```

```
}
```

Find the product price which are between 400 to 800

Ans:

```
db.users.find({
  $and:[{product_price:{$gte:400}}, {product_price:{$lte:800}}]
})
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb19'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb1b'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb1c'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb1e'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb1f'),
```



```
id: '7',
product_name: 'Practical Soft Shoes',
product_price: 500,
product_material: 'Rubber',
product_color: 'pink'
}
```

Find the product price which are not between 400 to 600

Ans:

```
db.users.find({
  product_price:{
    $not:{
      $gte:400,
      $lte:800
    }
  }
})

{
  _id: ObjectId('668948d6dd21280ef394cb1a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}

{
  _id: ObjectId('668948d6dd21280ef394cb1d'),
  id: '5',
  product_name: 'Sleek Cotton Chair',
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
}

{
  _id: ObjectId('668948d6dd21280ef394cb20'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
```

```
product_material: 'Rubber',
product_color: 'violet'
}
{
  _id: ObjectId('668948d6dd21280ef394cb21'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('668948d6dd21280ef394cb22'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('668948d6dd21280ef394cb23'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('668948d6dd21280ef394cb24'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
}
{
  _id: ObjectId('668948d6dd21280ef394cb25'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
```

```
  _id: ObjectId('668948d6dd21280ef394cb26'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('668948d6dd21280ef394cb27'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
{
  _id: ObjectId('668948d6dd21280ef394cb28'),
  id: '16',
  product_name: 'Small Soft Chair',
  product_price: 47,
  product_material: 'Cotton',
  product_color: 'teal'
}
{
  _id: ObjectId('668948d6dd21280ef394cb29'),
  id: '17',
  product_name: 'Incredible Metal Car',
  product_price: 36,
  product_material: 'Fresh',
  product_color: 'indigo'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2a'),
  id: '18',
  product_name: 'Licensed Plastic Bacon',
  product_price: 88,
  product_material: 'Steel',
  product_color: 'yellow'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2b'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
```

```
product_material: 'Soft',
product_color: 'azure'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2c'),
  id: '20',
  product_name: 'Handcrafted Wooden Bacon',
  product_price: 36,
  product_material: 'Concrete',
  product_color: 'lime'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2d'),
  id: '21',
  product_name: 'Unbranded Granite Chicken',
  product_price: 90,
  product_material: 'Metal',
  product_color: 'gold'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2e'),
  id: '22',
  product_name: 'Ergonomic Soft Hat',
  product_price: 99,
  product_material: 'Rubber',
  product_color: 'black'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2f'),
  id: '23',
  product_name: 'Intelligent Steel Pizza',
  product_price: 95,
  product_material: 'Cotton',
  product_color: 'azure'
}
{
  _id: ObjectId('668948d6dd21280ef394cb30'),
  id: '24',
  product_name: 'Tasty Rubber Cheese',
  product_price: 47,
  product_material: 'Frozen',
  product_color: 'orchid'
}
{
```

```
_id: ObjectId('668948d6dd21280ef394cb31'),  
id: '25',  
product_name: 'Licensed Steel Car',  
product_price: 20,  
product_material: 'Cotton',  
product_color: 'indigo'  
}
```

List the four product which are greater than 500 in price

Ans:

```
db.products.find({product_price:{$gte:500}})
```

```
{  
  _id: ObjectId('668948d6dd21280ef394cb19'),  
  id: '1',  
  product_name: 'Intelligent Fresh Chips',  
  product_price: 655,  
  product_material: 'Concrete',  
  product_color: 'mint green'  
}
```

```
{  
  _id: ObjectId('668948d6dd21280ef394cb1a'),  
  id: '2',  
  product_name: 'Practical Fresh Sausages',  
  product_price: 911,  
  product_material: 'Cotton',  
  product_color: 'indigo'  
}
```

```
{  
  _id: ObjectId('668948d6dd21280ef394cb1b'),  
  id: '3',  
  product_name: 'Refined Steel Car',  
  product_price: 690,  
  product_material: 'Rubber',  
  product_color: 'gold'  
}
```

```
{  
  _id: ObjectId('668948d6dd21280ef394cb1f'),  
  id: '7',  
  product_name: 'Practical Soft Shoes',  
  product_price: 500,
```

```
product_material: 'Rubber',  
product_color: 'pink'  
}
```

Find the product name and product material of each products

Ans:

```
db.products.find().forEach(function(e) {  
  print('Product Name: ' + e.product_name + ', Product Material: ' + e.product_material);  
});
```

```
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  
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
```

Find the product with a row id of 10

Ans:

```
db.products.find({'_id':10})
```

```
{
```

```
_id: ObjectId('668948d6dd21280ef394cb22'),
id: '10',
product_name: 'Generic Wooden Pizza',
product_price: 84,
product_material: 'Frozen',
product_color: 'indigo'
}
```

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

Ans:

```
db.users.find({}, { product_name: 1, product_material: 1, _id: 0 }).forEach(function(e) {
  print('Product Name: ' + e.product_name + ', Product Material: ' + e.product_material);
});
```

```
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
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
```

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

Ans:

```
db.products.find({product_material:/soft/i})
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb1c'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('668948d6dd21280ef394cb21'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('668948d6dd21280ef394cb23'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('668948d6dd21280ef394cb2b'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
```


Delete the products which product price value are 28

Ans:

```
db.users.findOneAndDelete({product_price:28.00})
```

```
{
  _id: ObjectId('668948d6dd21280ef394cb21'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
```

Find products which contain product color indigo and product price 492.00

No output because of no data in json

»