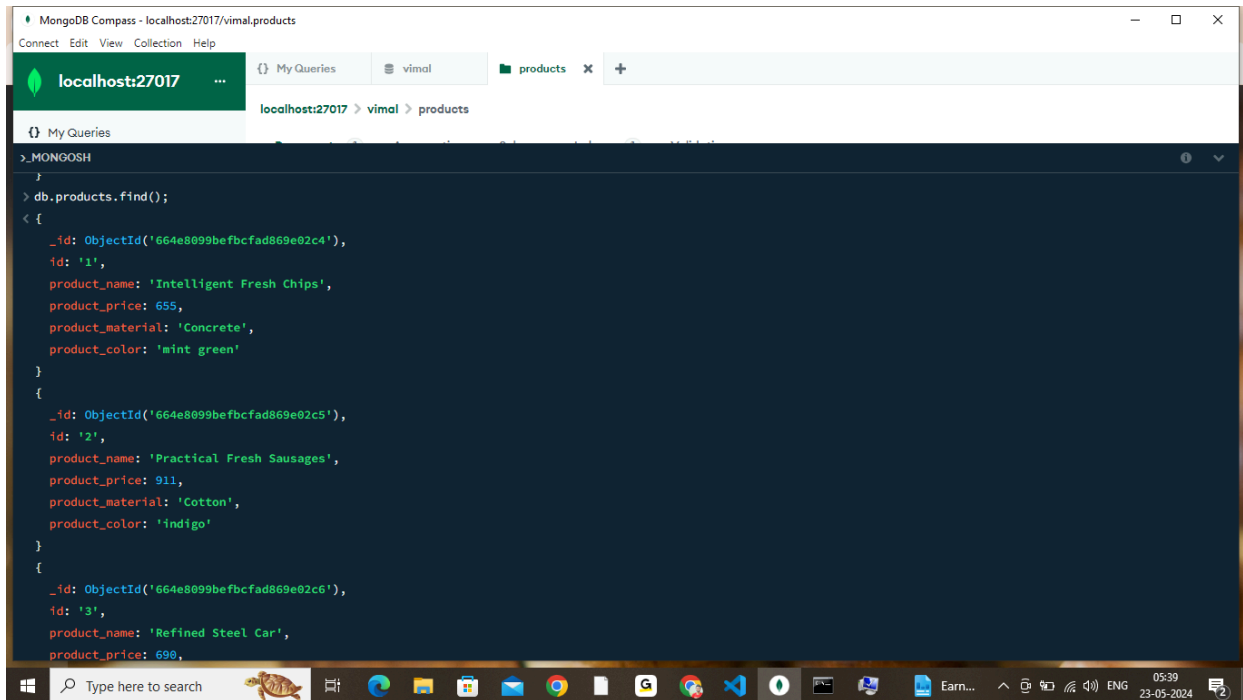


Below are the result screenshots of the MongoDB day 1 tasks:

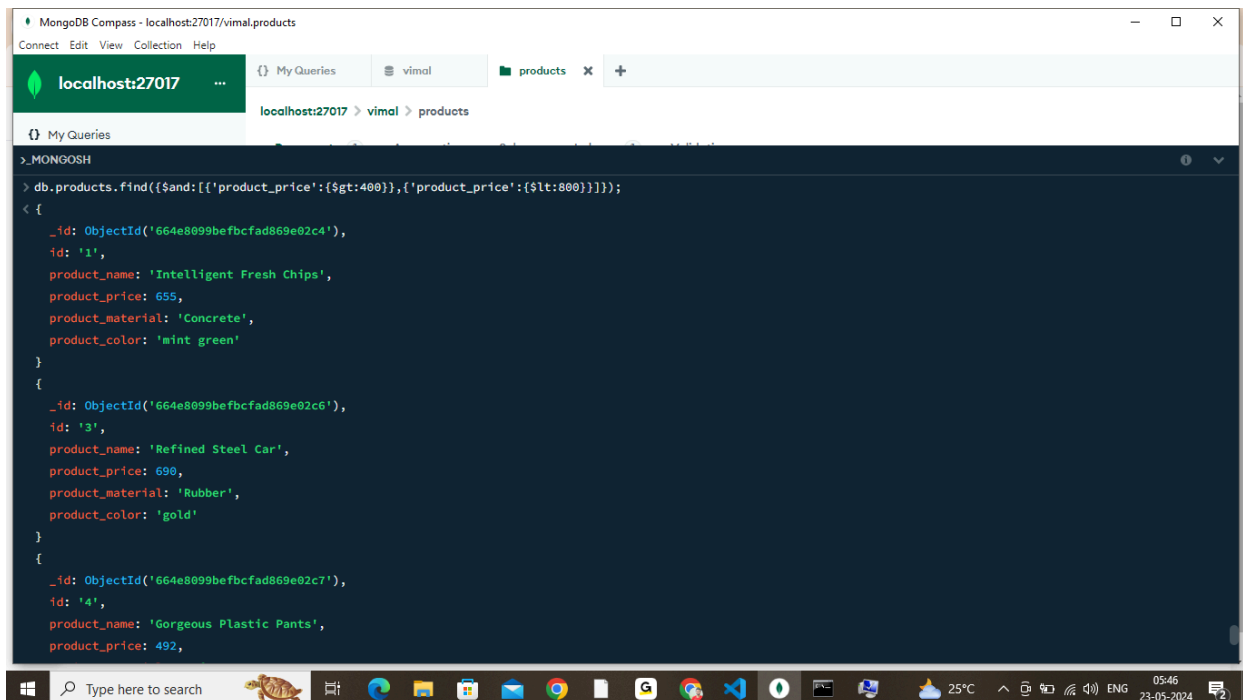
1. Find all the information about each products



The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure: 'localhost:27017' > 'vimal' > 'products'. The main panel shows the results of a query in a JSON format. The query executed is `db.products.find()`. The results are three documents representing different products.

```
>_MONGOOSH
>
> db.products.find();
< {
  _id: ObjectId('664e8099befbcfad869e02c4'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('664e8099befbcfad869e02c5'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('664e8099befbcfad869e02c6'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
```

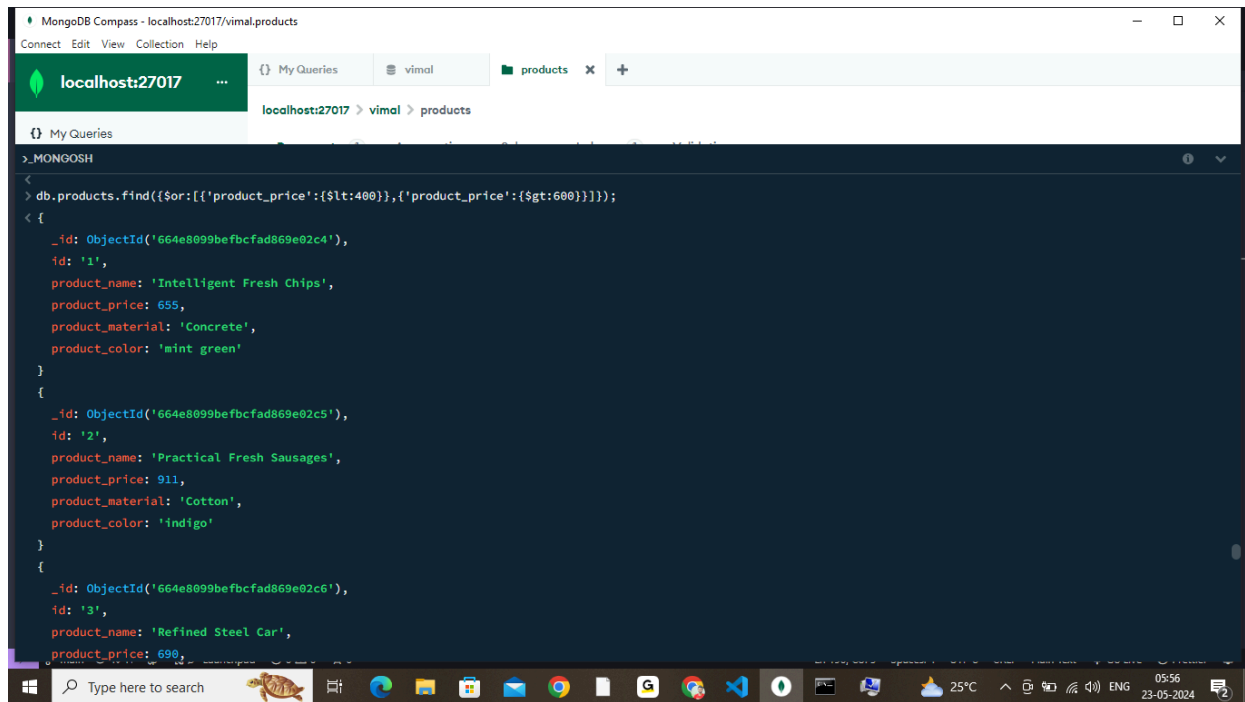
2. Find the product price which are between 400 to 800



The screenshot shows the MongoDB Compass interface. The left sidebar displays the database structure: 'localhost:27017' > 'vimal' > 'products'. The main panel shows the results of a query in a JSON format. The query executed is `db.products.find({'product_price':{'$gt':400}},{'product_price':{'$lt':800}});`. The results are two documents representing products whose prices are between 400 and 800.

```
>_MONGOOSH
> db.products.find({'product_price':{'$gt':400}},{'product_price':{'$lt':800}});
< {
  _id: ObjectId('664e8099befbcfad869e02c4'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('664e8099befbcfad869e02c6'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('664e8099befbcfad869e02c7'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
```

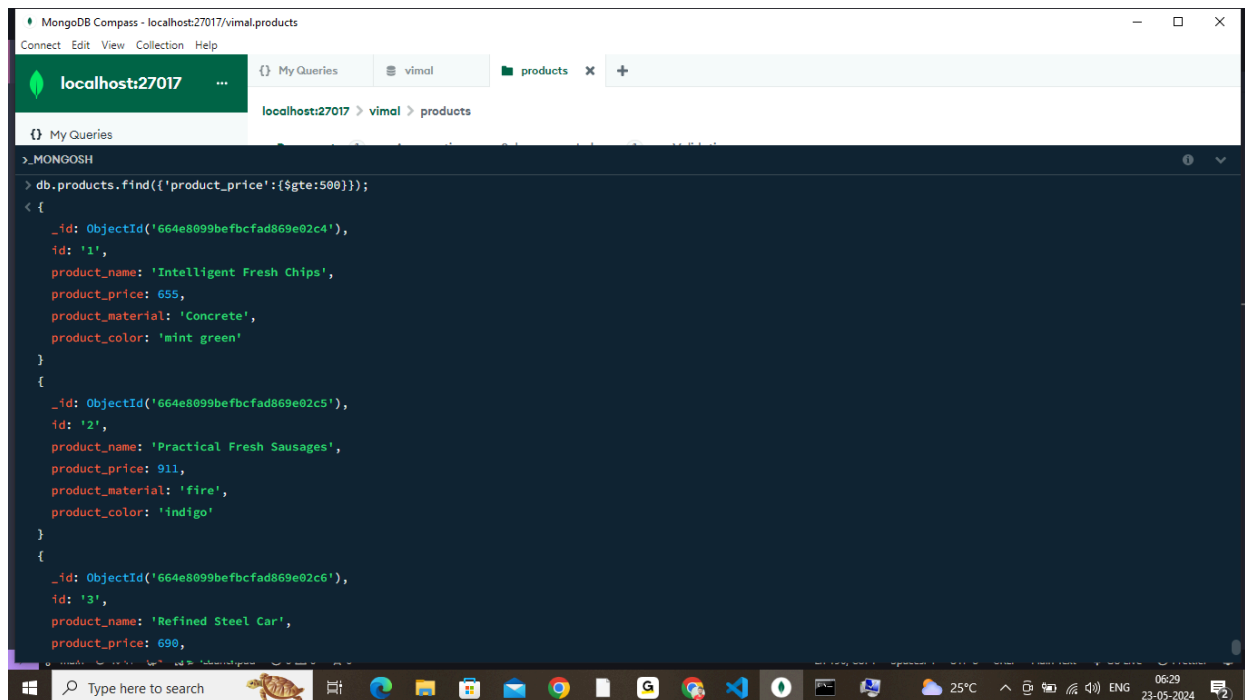
3. Find the product price which are not between 400 to 600



The screenshot shows the MongoDB Compass interface. The left sidebar indicates the connection to 'localhost:27017' and the database 'vimal'. The main panel shows a query in the 'My Queries' tab: `db.products.find({'$or': [{'product_price': {'$lt': 400}}, {'product_price': {'$gt': 600}}]})`. The results are displayed in a JSON format, showing three products: 'Intelligent Fresh Chips' (price 655), 'Practical Fresh Sausages' (price 911), and 'Refined Steel Car' (price 690). The Windows taskbar at the bottom shows the time as 05:56 on 23-05-2024.

```
>_MONGOOSH
<
> db.products.find({'$or': [{'product_price': {'$lt': 400}}, {'product_price': {'$gt': 600}}]});
< {
  _id: ObjectId('664e8099befcfad869e02c4'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('664e8099befcfad869e02c5'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('664e8099befcfad869e02c6'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Steel',
  product_color: 'black'
}
```

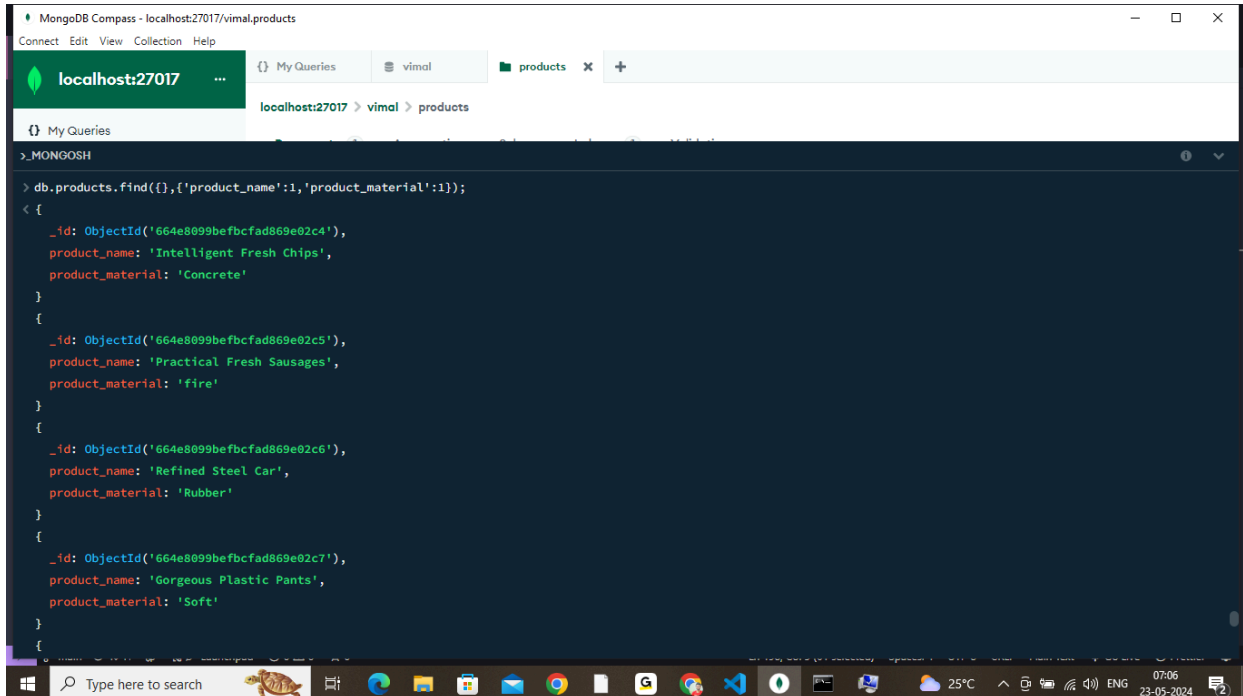
4. List the four product which are greater than 500 in price



The screenshot shows the MongoDB Compass interface. The left sidebar indicates the connection to 'localhost:27017' and the database 'vimal'. The main panel shows a query in the 'My Queries' tab: `db.products.find({'product_price': {'$gte': 500}})`. The results are displayed in a JSON format, showing three products: 'Intelligent Fresh Chips' (price 655), 'Practical Fresh Sausages' (price 911), and 'Refined Steel Car' (price 690). The Windows taskbar at the bottom shows the time as 06:29 on 23-05-2024.

```
>_MONGOOSH
<
> db.products.find({'product_price': {'$gte': 500}});
< {
  _id: ObjectId('664e8099befcfad869e02c4'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('664e8099befcfad869e02c5'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'fire',
  product_color: 'indigo'
}
{
  _id: ObjectId('664e8099befcfad869e02c6'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Steel',
  product_color: 'black'
}
```

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



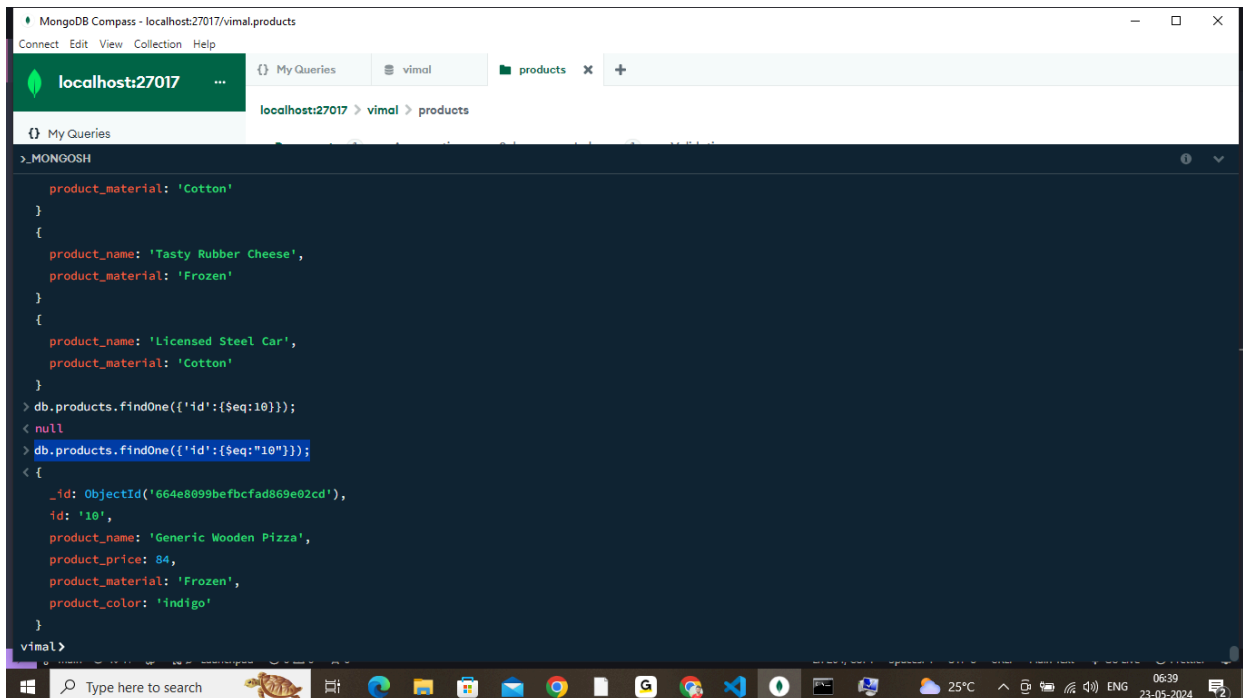
The screenshot shows the MongoDB Compass interface. The left sidebar displays the connection 'localhost:27017' and the database 'vimal'. The 'products' collection is selected. The main query editor shows the following command:

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

The result is a JSON array of four product documents:

```
< [
  {
    "_id": ObjectId('664e8099befcfad869e02c4'),
    "product_name": 'Intelligent Fresh Chips',
    "product_material": 'Concrete'
  },
  {
    "_id": ObjectId('664e8099befcfad869e02c5'),
    "product_name": 'Practical Fresh Sausages',
    "product_material": 'fire'
  },
  {
    "_id": ObjectId('664e8099befcfad869e02c6'),
    "product_name": 'Refined Steel Car',
    "product_material": 'Rubber'
  },
  {
    "_id": ObjectId('664e8099befcfad869e02c7'),
    "product_name": 'Gorgeous Plastic Pants',
    "product_material": 'Soft'
  }
]
```

6. Find the product with a row id of 10



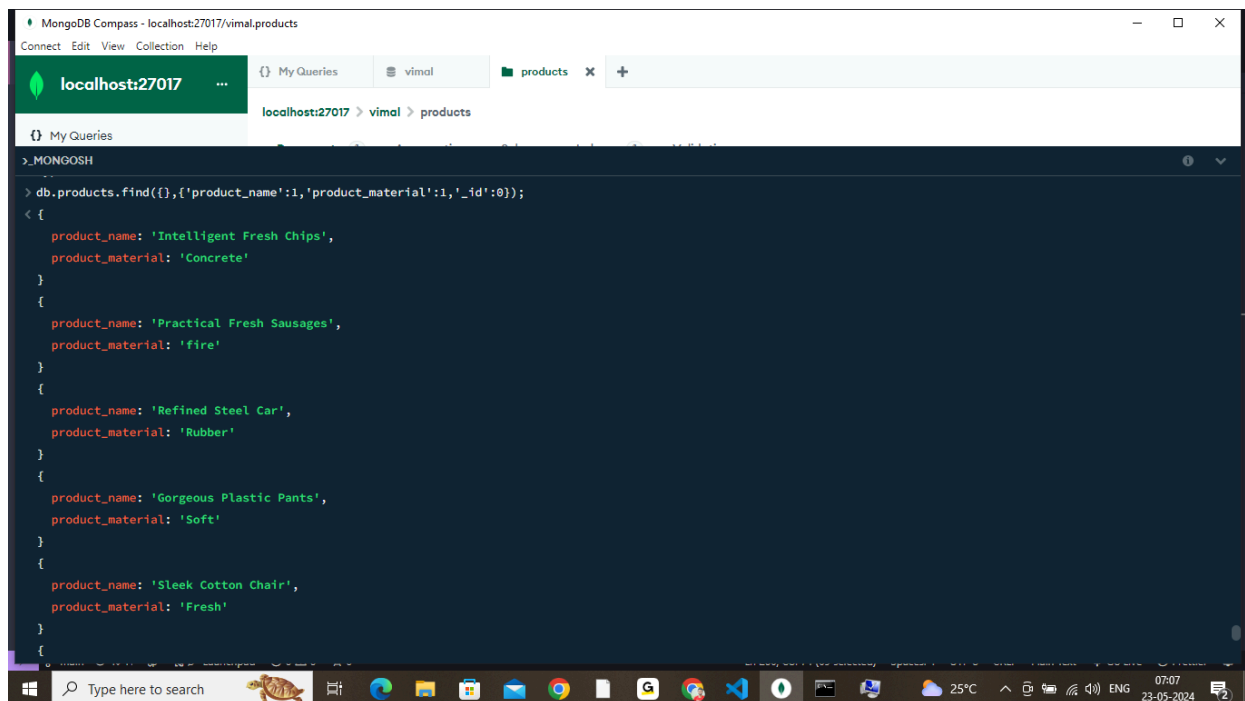
The screenshot shows the MongoDB Compass interface. The left sidebar displays the connection 'localhost:27017' and the database 'vimal'. The 'products' collection is selected. The main query editor shows the following command:

```
> db.products.findOne({'_id': {'$eq: "10"}});
```

The result is a JSON document for the product with row id 10:

```
< {
  "_id": ObjectId('664e8099befcfad869e02cd'),
  "id": '10',
  "product_name": 'Generic Wooden Pizza',
  "product_price": 84,
  "product_material": 'Frozen',
  "product_color": 'Indigo'
}
```

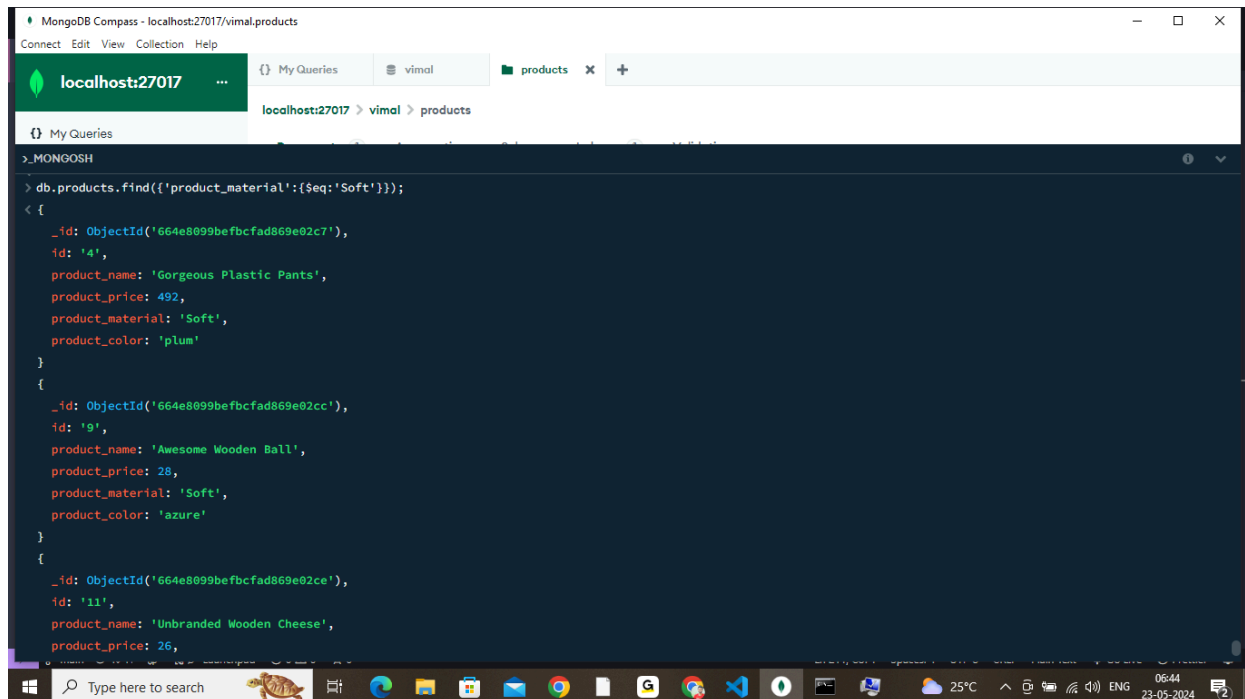
7. Find only the product name and product material



```
localhost:27017
My Queries
vimal
products
localhost:27017 > vimal > products

> MONGOSH
> db.products.find({}, {'product_name':1, 'product_material':1, '_id':0});
< {
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  product_name: 'Practical Fresh Sausages',
  product_material: 'fire'
}
{
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
{
  product_name: 'Sleek Cotton Chair',
  product_material: 'Fresh'
}
}
```

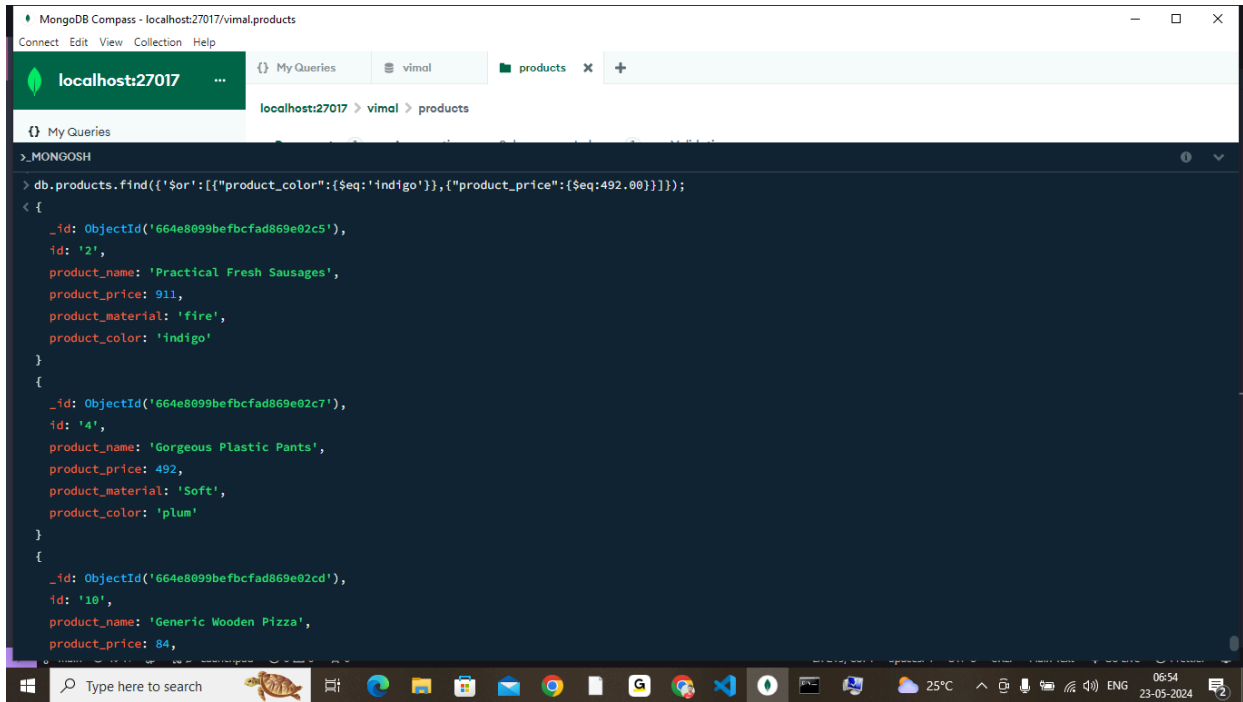
8. Find all products which contain the value of soft in product material



```
localhost:27017
My Queries
vimal
products
localhost:27017 > vimal > products

> MONGOSH
> db.products.find({'product_material':{'$eq':'Soft'}});
< {
  _id: ObjectId('664e8099befbcfad869e02c7'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('664e8099befbcfad869e02cc'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('664e8099befbcfad869e02ce'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_color: 'indigo'
}
```

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



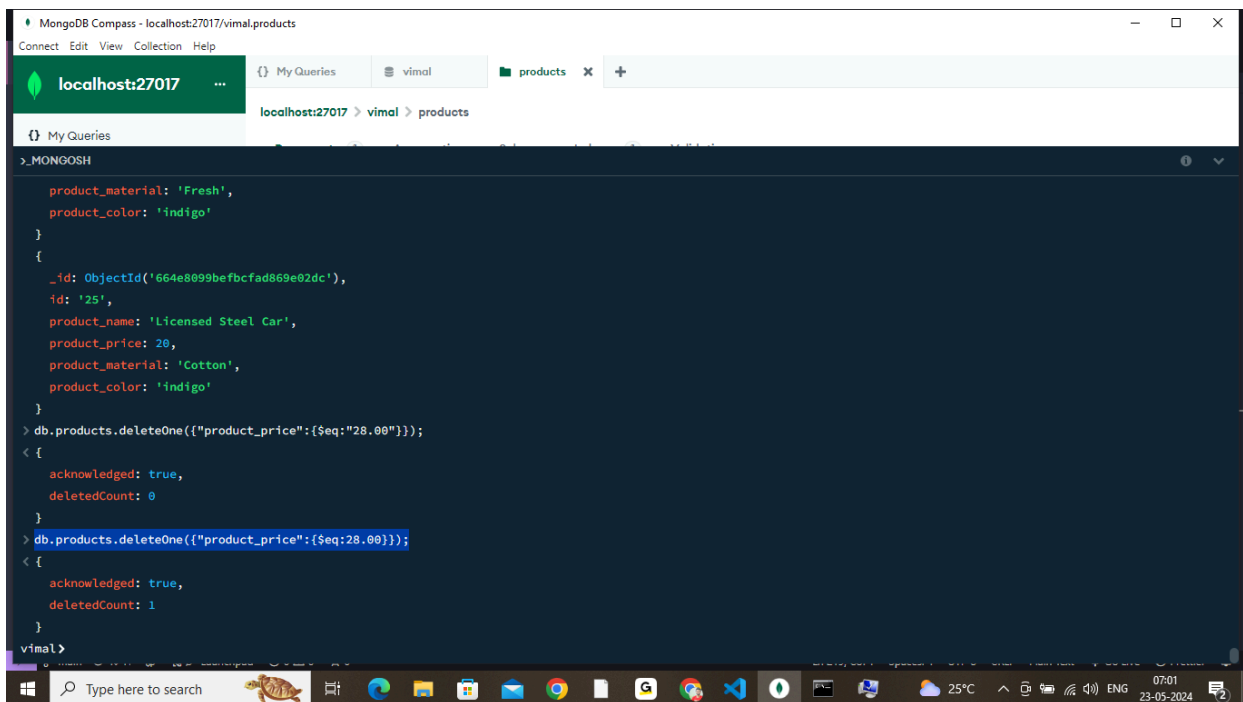
```
MongoDB Compass - localhost:27017/vimal.products
Connect Edit View Collection Help

localhost:27017 ... {} My Queries vimal products x +
localhost:27017 > vimal > products

{} My Queries
> MONGOSH

> db.products.find({'$or':[{"product_color":{"$eq":"indigo"}},{"product_price":{"$gte:492.00}}]});
< {
  _id: ObjectId('664e8099befcfad869e02c5'),
  id: '12',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'fire',
  product_color: 'indigo'
}
{
  _id: ObjectId('664e8099befcfad869e02c7'),
  id: '14',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('664e8099befcfad869e02cd'),
  id: '18',
  product_name: 'Generic Wooden Pizzas',
  product_price: 84,
```

10. Delete the products which product price value are 28



```
MongoDB Compass - localhost:27017/vimal.products
Connect Edit View Collection Help

localhost:27017 ... {} My Queries vimal products x +
localhost:27017 > vimal > products

{} My Queries
> MONGOSH

product_material: 'Fresh',
product_color: 'indigo'
}
{
  _id: ObjectId('664e8099befcfad869e02dc'),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 28,
  product_material: 'Cotton',
  product_color: 'indigo'
}
> db.products.deleteOne({"product_price":{"$eq:"28.00"}});
< {
  acknowledged: true,
  deletedCount: 0
}
> db.products.deleteOne({"product_price":{"$eq:28.00}});
< {
  acknowledged: true,
  deletedCount: 1
}
vimal>
```