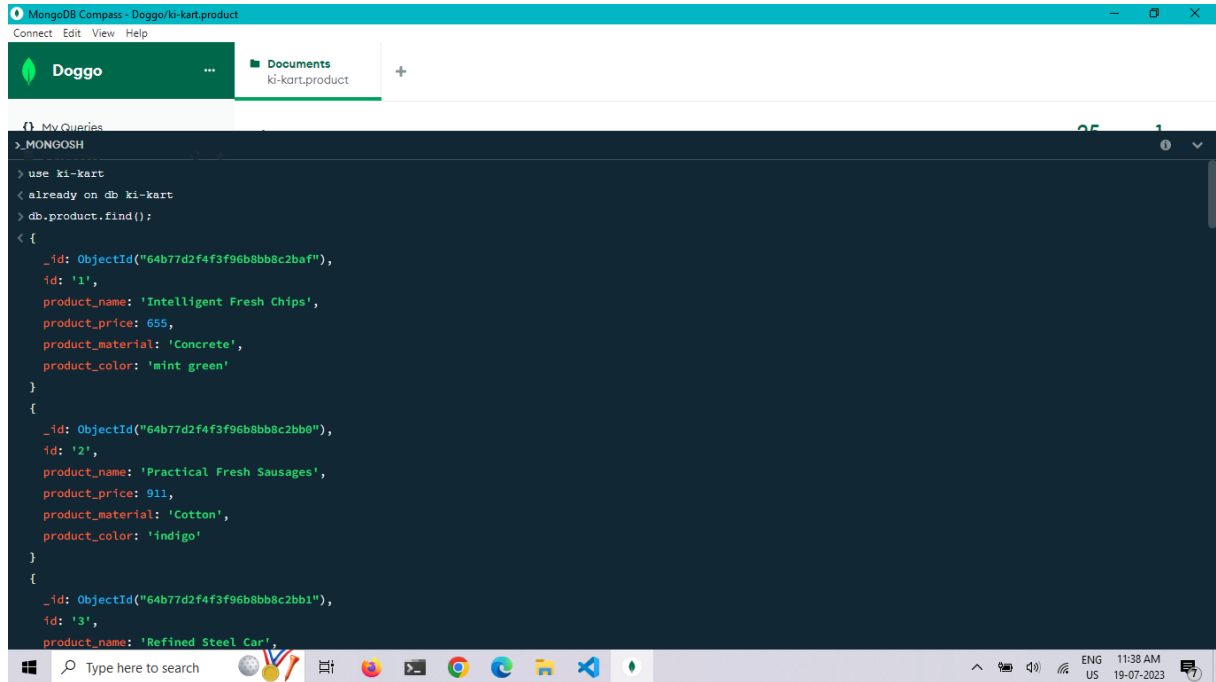


MongoDB TASK

1. Find all the information about each products

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

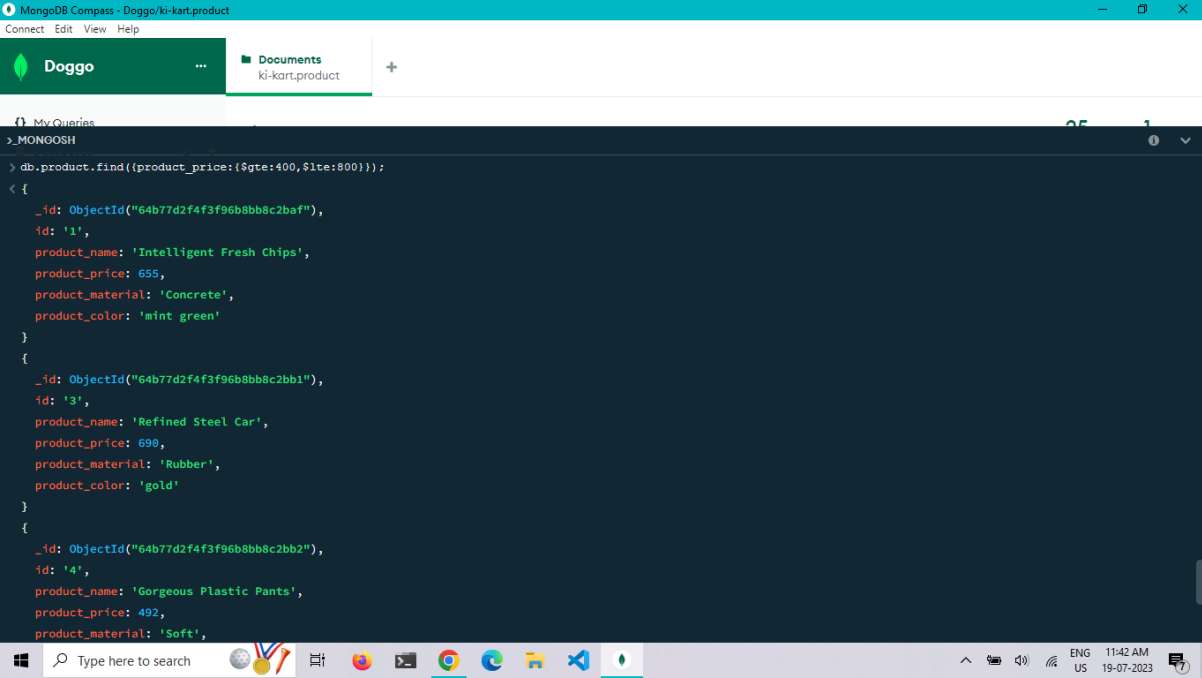


The screenshot shows the MongoDB Compass interface. The top bar indicates the connection to 'Doggo/ki-kart.product'. The left sidebar shows the 'Documents' tab for the 'ki-kart.product' collection. The main area displays the results of the query `db.product.find();` in a dark-themed editor. The results are three JSON documents, each representing a product. The first document is for 'Intelligent Fresh Chips', the second for 'Practical Fresh Sausages', and the third for 'Refined Steel Car'. Each document includes an ObjectId, an id, a product_name, a product_price, a product_material, and a product_color.

```
> use ki-kart
< already on db ki-kart
> db.product.find();
< {
  _id: ObjectId("64b77d2f4f3f96b8bb8c2baf"),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bb0"),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bb1"),
  id: '3',
  product_name: 'Refined Steel Car',
```

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

```
db.product.find({product_price:{$gte:400,$lte:800}});
```

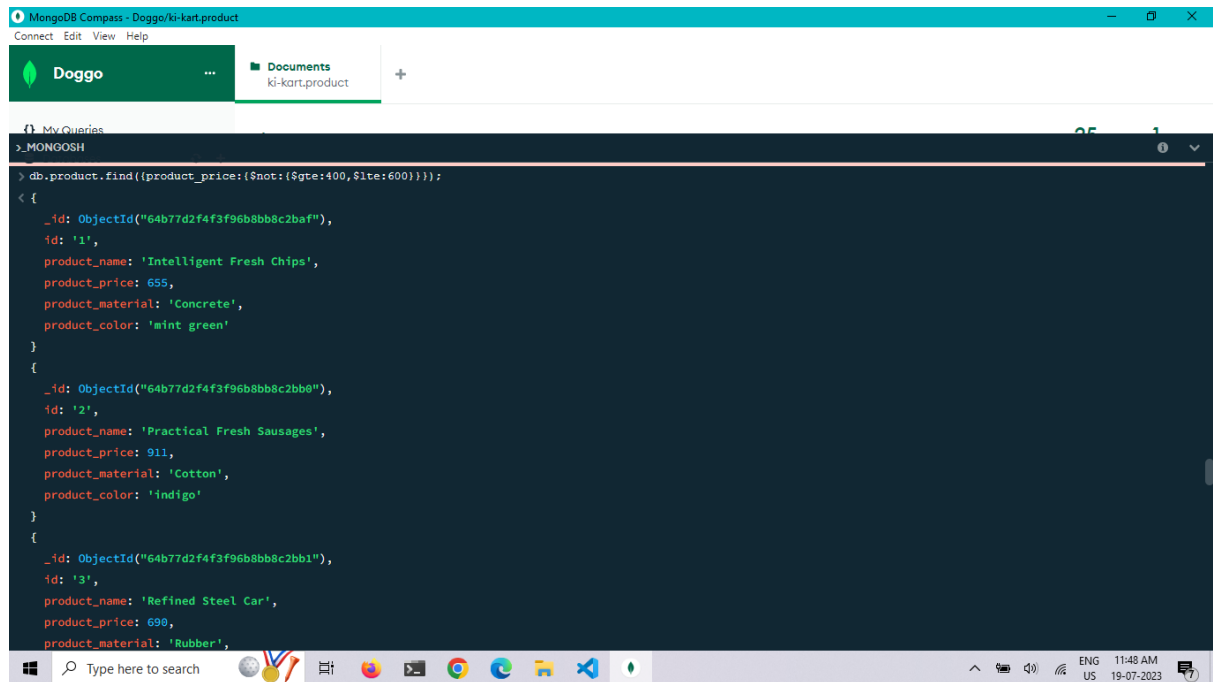


The screenshot shows the MongoDB Compass interface. The top bar indicates the connection is to 'Doggo/ki-kart-product'. The left sidebar shows the 'Documents' tab for the 'ki-kart.product' collection. The main area displays a query in the MongoDB Shell: `db.product.find({product_price:{$gte:400,$lte:800}});`. The results are shown as a JSON array with three documents. The first document is for 'Intelligent Fresh Chips' with a price of 655. The second document is for 'Refined Steel Car' with a price of 690. The third document is for 'Gorgeous Plastic Pants' with a price of 492. The Windows taskbar at the bottom shows the date and time as 11:42 AM on 19-07-2023.

```
> db.product.find({product_price:{$gte:400,$lte:800}});
< [
  {
    "_id": ObjectId("64b77d2f4f3f96b8bb8c2baf"),
    "id": "1",
    "product_name": "Intelligent Fresh Chips",
    "product_price": 655,
    "product_material": "Concrete",
    "product_color": "mint green"
  },
  {
    "_id": ObjectId("64b77d2f4f3f96b8bb8c2bb1"),
    "id": "3",
    "product_name": "Refined Steel Car",
    "product_price": 690,
    "product_material": "Rubber",
    "product_color": "gold"
  },
  {
    "_id": ObjectId("64b77d2f4f3f96b8bb8c2bb2"),
    "id": "4",
    "product_name": "Gorgeous Plastic Pants",
    "product_price": 492,
    "product_material": "Soft",
    "product_color": "mint green"
  }
]
```

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

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



The screenshot shows the MongoDB Compass interface. The top bar indicates the connection is to 'Doggo/ki-kart-product'. The left sidebar has tabs for 'Doggo' and 'Documents', with 'Documents' selected. The main area shows a query in the 'My Queries' tab: `> db.product.find({product_price:{$not:{$gte:400,$lte:600}}});`. The results are displayed in a dark-themed list. The first document is for 'Intelligent Fresh Chips' with a price of 655. The second document is for 'Practical Fresh Sausages' with a price of 911. The third document is for 'Refined Steel Car' with a price of 690. The Windows taskbar at the bottom shows the time as 11:48 AM on 19-07-2023.

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

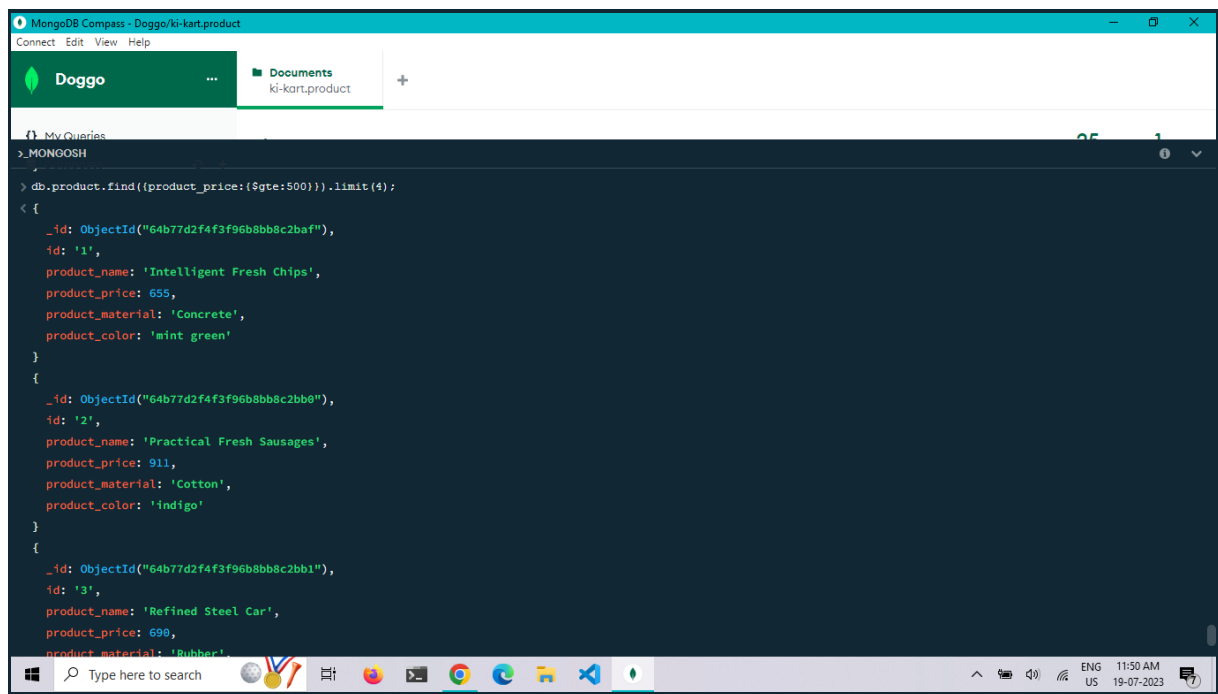
```
{
  "_id": ObjectId("64b77d2f4f3f96b8bb8c2baf"),
  "id": "1",
  "product_name": 'Intelligent Fresh Chips',
  "product_price": 655,
  "product_material": 'Concrete',
  "product_color": 'mint green'
}
```

```
{
  "_id": ObjectId("64b77d2f4f3f96b8bb8c2bb0"),
  "id": "2",
  "product_name": 'Practical Fresh Sausages',
  "product_price": 911,
  "product_material": 'Cotton',
  "product_color": 'indigo'
}
```

```
{
  "_id": ObjectId("64b77d2f4f3f96b8bb8c2bb1"),
  "id": "3",
  "product_name": 'Refined Steel Car',
  "product_price": 690,
  "product_material": 'Rubber',
  "product_color": 'indigo'
}
```

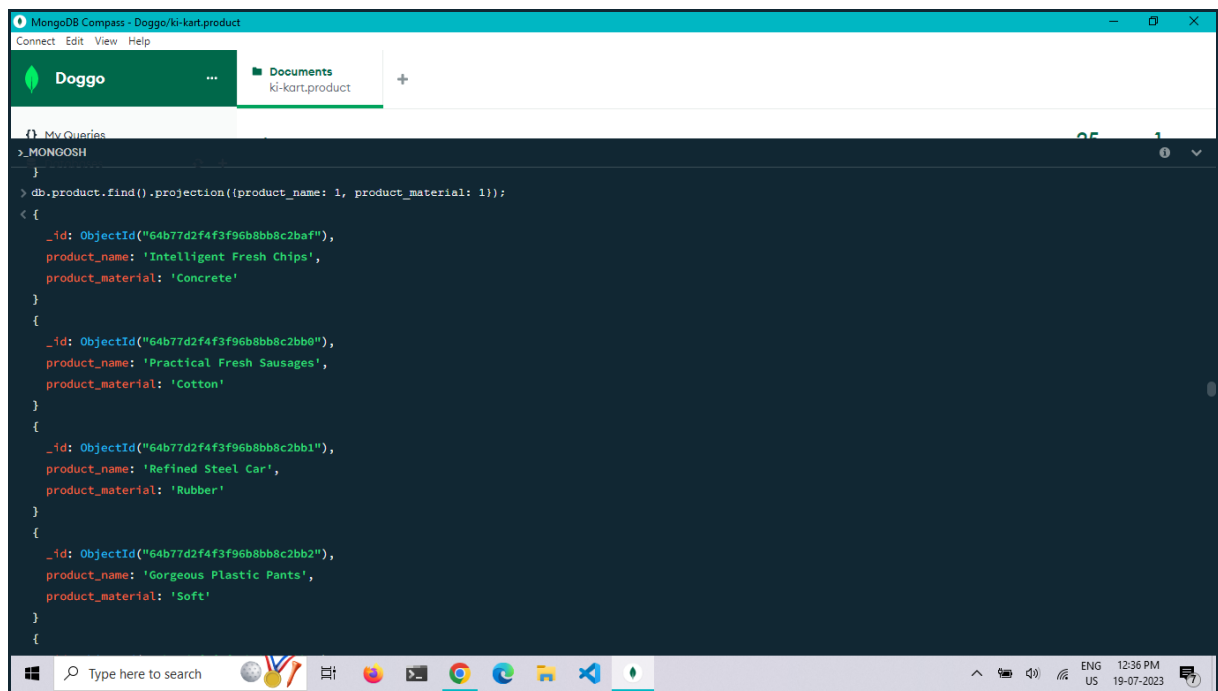
4. List the four product which are greater than 500 in price

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



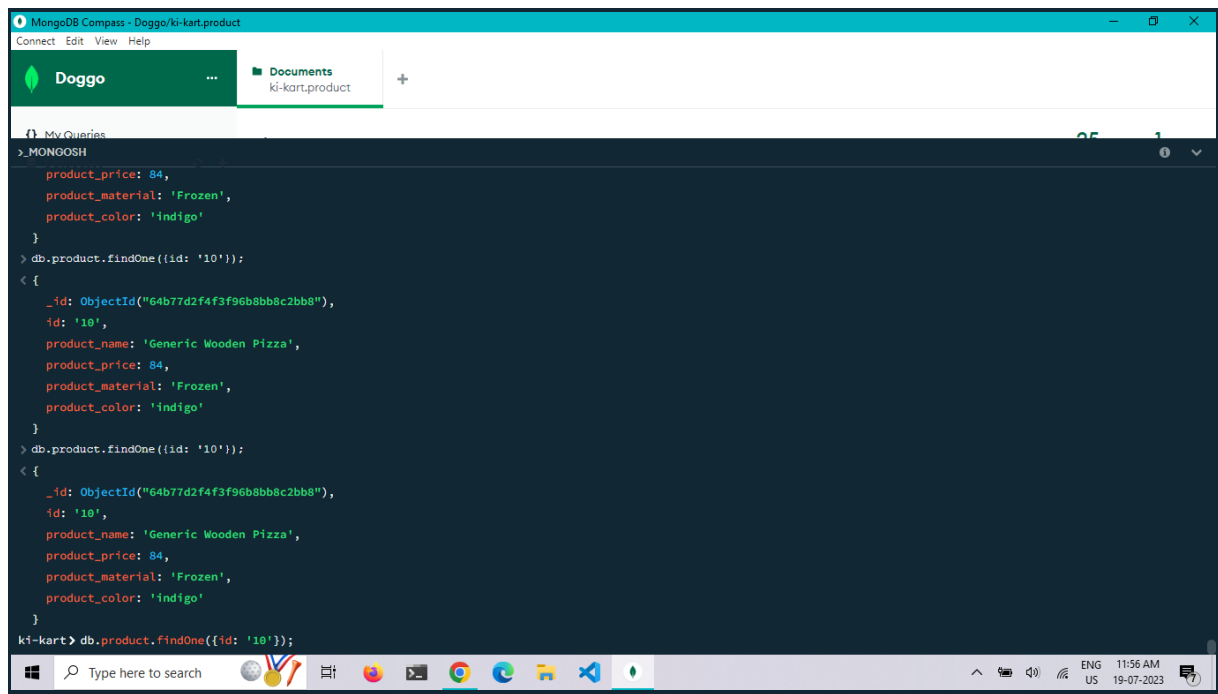
5. Find the product name and product material of each products

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



6. Find the product with a row id of 10

```
db.product.findOne({id: '10'});
```



The screenshot shows the MongoDB Compass interface. The top bar indicates the connection is to 'Doggo/ki-kart.product'. The left sidebar shows the 'Documents' tab for the 'ki-kart.product' collection. The main area displays a query result for the command `db.product.findOne({id: '10'})`. The result is a JSON document with the following fields: `_id` (ObjectId), `id` ('10'), `product_name` ('Generic Wooden Pizza'), `product_price` (84), `product_material` ('Frozen'), and `product_color` ('indigo'). The interface also shows a 'My Queries' tab and a 'MongoShell' tab. The bottom status bar displays system information including language (ENG US) and time (11:56 AM 19-07-2023).

```
MongoDB Compass - Doggo/ki-kart.product
Connect Edit View Help

Doggo
Documents
ki-kart.product

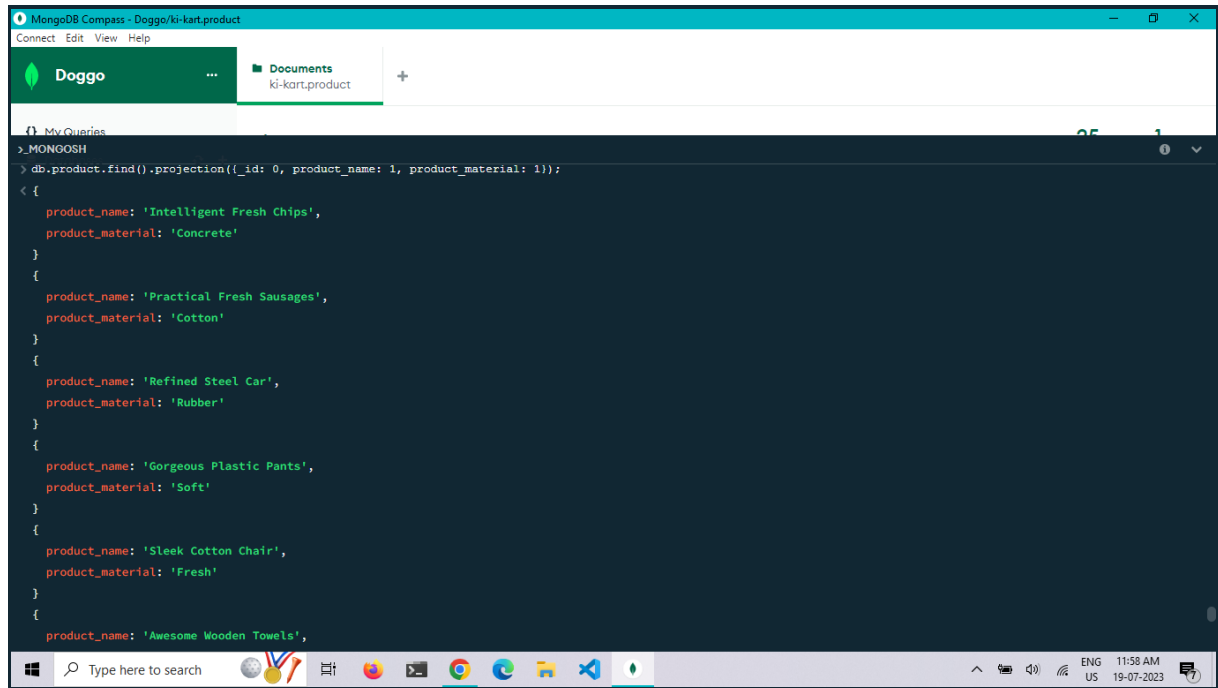
My Queries
MongoShell

> db.product.findOne({id: '10'});
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bb8"),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}

ki-kart> db.product.findOne({id: '10'});
```

7. Find only the product name and product material

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



The screenshot shows the MongoDB Compass interface. The top bar indicates the connection to 'Doggo/ki-kart.product'. The left sidebar shows the 'Documents' tab for the 'ki-kart.product' collection. The main area displays a MongoDB query in the 'My Queries' tab:

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

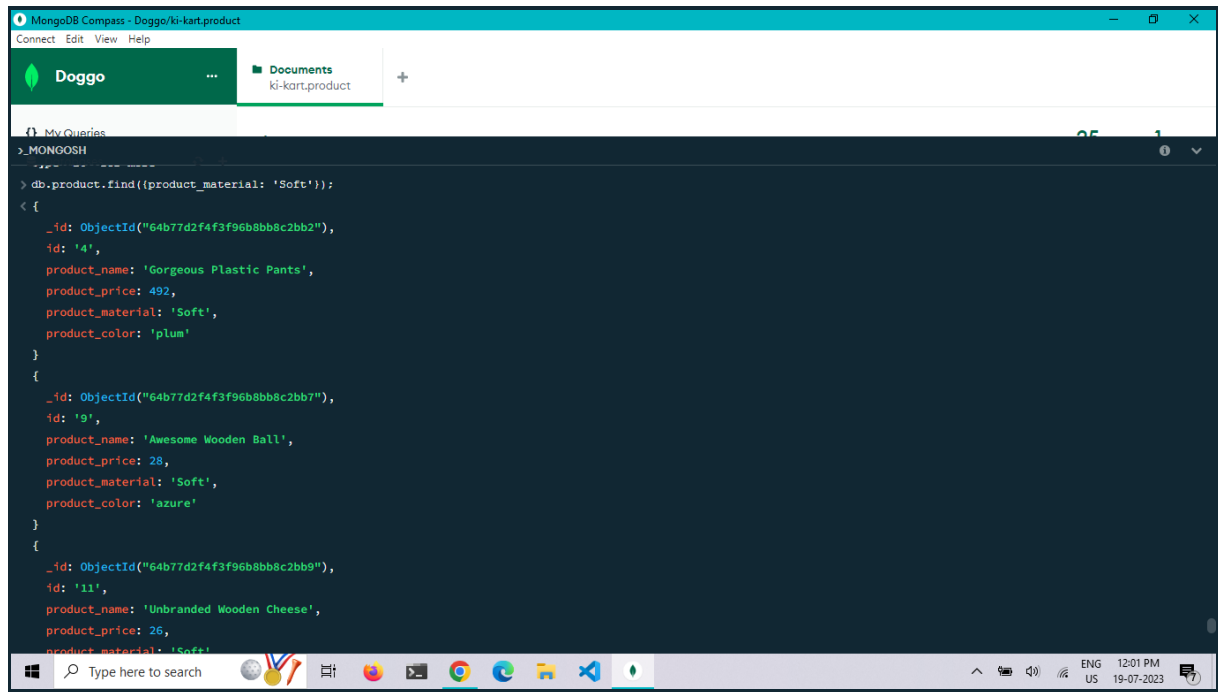
The results are shown as a JSON array of documents, each containing 'product_name' and 'product_material' fields. The documents are:

- { 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: '' }

The Windows taskbar at the bottom shows the system time as 11:58 AM on 19-07-2023.

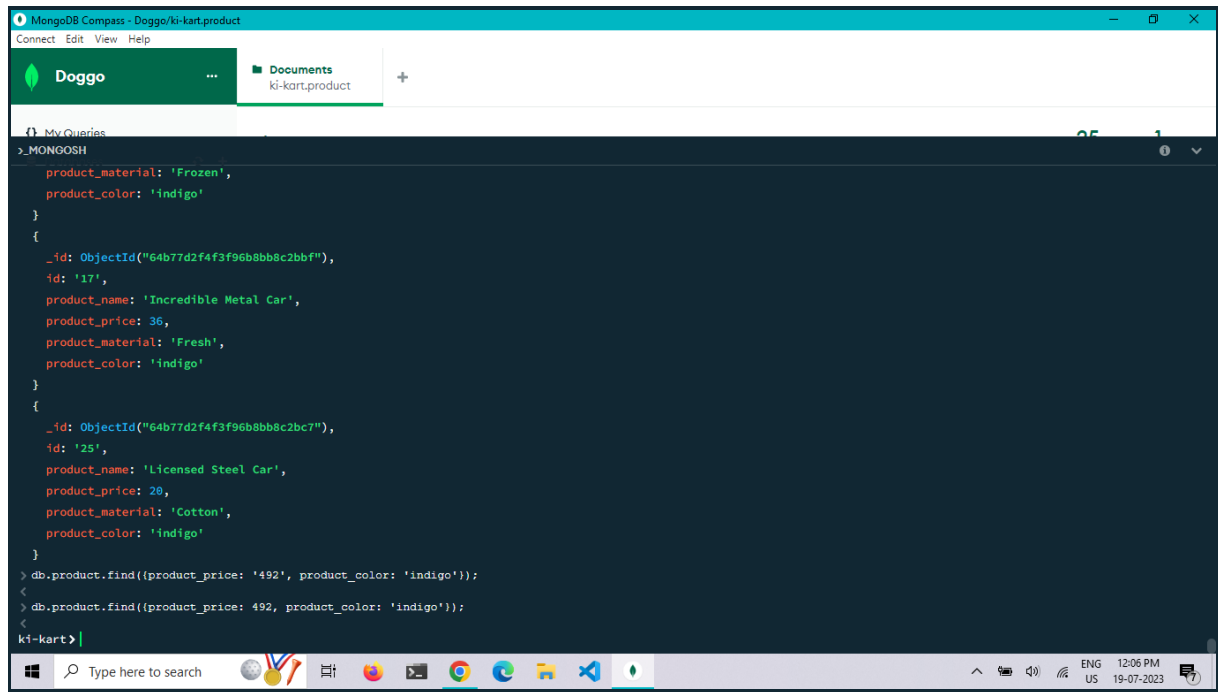
8. Find all products which contain the value of soft in product material

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



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

```
db.product.find({product_price: 492, product_color: 'indigo'});
```



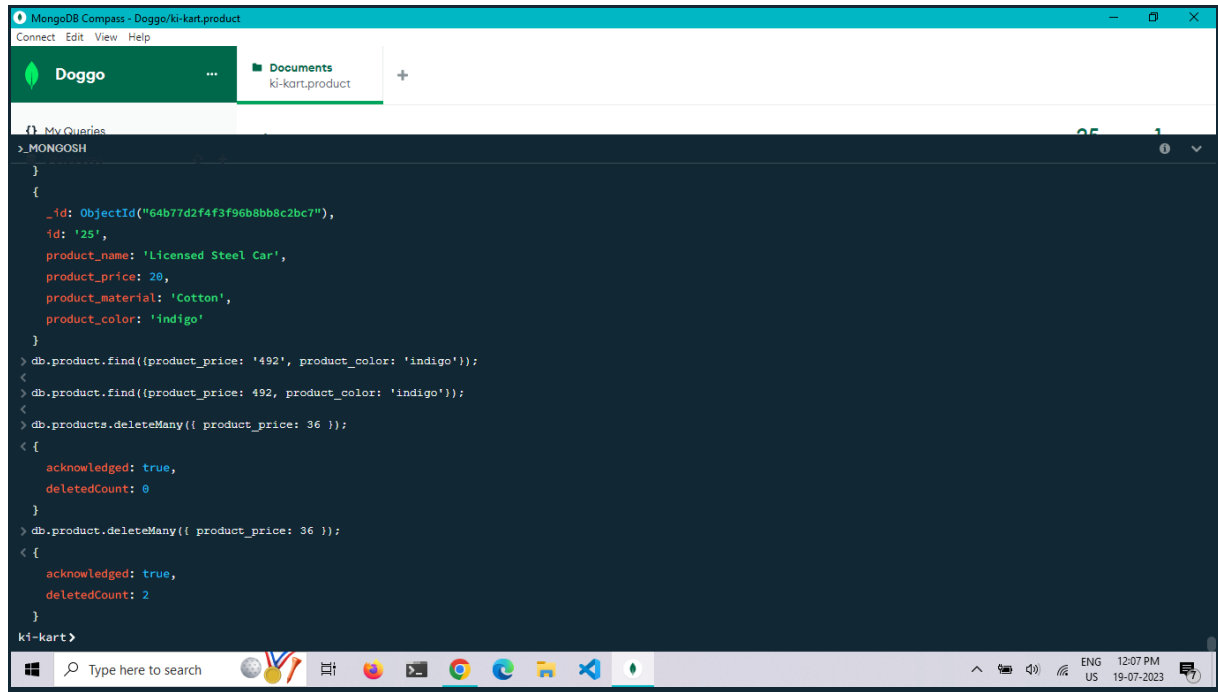
The screenshot shows the MongoDB Compass application window titled "MongoDB Compass - Doggo/ki-kart.product". The interface includes a top menu bar with "Connect", "Edit", "View", and "Help". Below the menu is a green header bar with the "Doggo" logo and a "Documents" tab labeled "ki-kart.product". The main area is divided into two panes. The left pane, titled "My Queries", shows a query in the "MONGOSH" shell:

```
>_MONGOSH
product_material: 'Frozen',
product_color: 'indigo'
}
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bbf"),
  id: '17',
  product_name: 'Incredible Metal Car',
  product_price: 36,
  product_material: 'Fresh',
  product_color: 'indigo'
}
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bc7"),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 20,
  product_material: 'Cotton',
  product_color: 'indigo'
}
> db.product.find({product_price: '492', product_color: 'indigo'});
<
> db.product.find({product_price: 492, product_color: 'indigo'});
<
ki-kart>
```

 The right pane shows the results of the query, displaying two documents. The first document has an id of '17', a product_name of 'Incredible Metal Car', a product_price of 36, a product_material of 'Fresh', and a product_color of 'indigo'. The second document has an id of '25', a product_name of 'Licensed Steel Car', a product_price of 20, a product_material of 'Cotton', and a product_color of 'indigo'. The bottom of the window shows a Windows taskbar with various icons and a system clock indicating 12:06 PM on 19-07-2023.

10.Delete the products which product price value are same

```
db.product.deleteMany({ product_price: 36 });
```



The screenshot shows the MongoDB Compass application window titled "MongoDB Compass - Doggo/ki-kart-product". The interface includes a top menu bar with "Connect", "Edit", "View", and "Help". Below the menu is a sidebar with a "Doggo" logo and a "Documents" section showing "ki-kart.product". The main area is a dark-themed MongoDB shell with the following commands and output:

```
>_MONGOOSH
{
  _id: ObjectId("64b77d2f4f3f96b8bb8c2bc7"),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 20,
  product_material: 'Cotton',
  product_color: 'indigo'
}
> db.product.find({product_price: '492', product_color: 'indigo'});
<
> db.product.find({product_price: 492, product_color: 'indigo'});
<
> db.products.deleteMany({ product_price: 36 });
< {
  acknowledged: true,
  deletedCount: 0
}
> db.product.deleteMany({ product_price: 36 });
< {
  acknowledged: true,
  deletedCount: 2
}
ki-kart>
```

The Windows taskbar at the bottom shows the search bar, task view button, and several application icons. The system tray on the right indicates the language is "ENG US", the time is "12:07 PM", and the date is "19-07-2023".