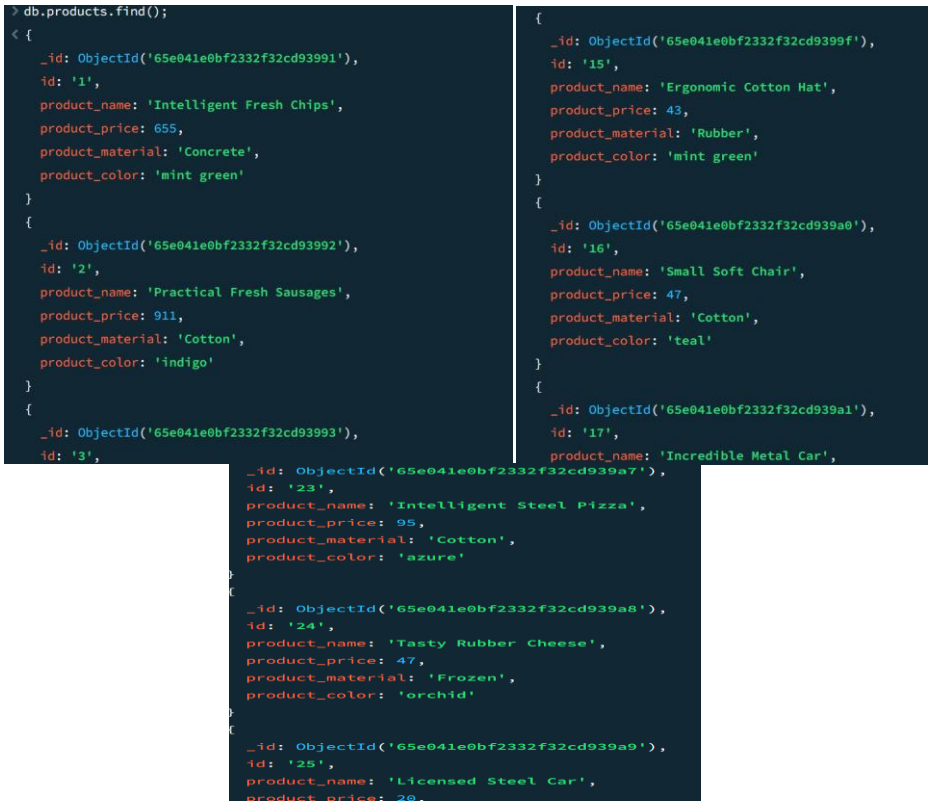
MongoDB Day 1

1. Find all the information about each products

   Query: db.products.find();

   Output:



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

Query: db.products.find({"product_price":{$gt:400,$lt:800}});

Output:

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

Query: db.products.find({$nor:[{"product_price":{$gt:400,$lt:800}}]});

Output:

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

Query: db.products.find({"product_price":{$gt:500}}),limit(4);

Output:

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

Query: db.products.find({},{"product_name":1,"product_material":1});

Output:

6. Find the product with a row id of 10

Query:db.products.find({id=”10”});

Output:

```
> db.products.find({id:"10"});
< {
    _id: ObjectId('65e041e0bf2332f32cd9399a'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
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```

7. Find only the product name and product material

Query: db.products.find({},{"product_name":1,"product_material":1,_id:0});

Output:

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

Query: db.products.find({"product_material":"Soft"});

Output:

```
>_MONGOSH
> db.products.find({"product_material":"Soft"});
< {
    _id: ObjectId('65e041e0bf2332f32cd93994'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  }
  {
    _id: ObjectId('65e041e0bf2332f32cd93999'),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  }
  {
    _id: ObjectId('65e041e0bf2332f32cd9399b'),
    id: '11',
    product_material: 'Soft',
    product_color: 'azure'
  }
  {
    _id: ObjectId('65e041e0bf2332f32cd9399b'),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  }
  {
    _id: ObjectId('65e041e0bf2332f32cd939a3'),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  }
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```

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

Query: db.products.find({$or:[{product_color:"indigo"},{product_price:492}]});

Output:

10. Delete the products which product price value are same

Query:

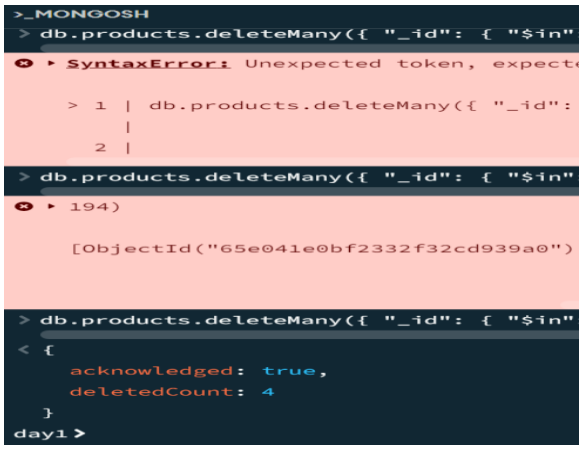
Step 1:

db.products.aggregate([{"$group": {"_id": "$product_price","count": { "$sum": 1 },"products": { "$push": "$_id" }} }, { "$match": { "count": { "$gt": 1 } } }]);

Step 2:

db.products.deleteMany({ "_id": { "$in": [ObjectId("65e0741464c8a79251f957dd"), ObjectId("65e0741464c8a79251f957e0"),ObjectId("65e0741464c8a79251f957dc"),ObjectId("65e0741464c8a79251f957e4")] } });

Output:



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