

MONGODB

1. Find all the information about each products.

```
>_MONGOSH
> use fsd59wdt;
< already on db fsd59wdt
> db.users
< fsd59wdt.users
> db.users.find().toArray()
< [
  {
    _id: ObjectId('6677b170073181461e48aa61'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('6677b170073181461e48aa62'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('6677b170073181461e48aa63'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
```

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

```
>_MONGOSH
> db.users.find({ product_price : { $gt: 400 , $lt: 800} }  );
< {
  _id: ObjectId('6677b170073181461e48aa61'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6677b170073181461e48aa63'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('6677b170073181461e48aa64'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('6677b170073181461e48aa66'),
  id: '6',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
```

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

Oviya

My QueriesDatabasesfsd59wdtusers

Oviya > fsd59wdt > users

My QueriesDocuments (25)AggregationsSchemaIndexes (1)Validation

```
>_MONGOSH
>
> db.users.find({product_price: {$not: {$gt: 400, $lt: 600}}})
< {
  _id: ObjectId('6677b170073181461e48aa61'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6677b170073181461e48aa62'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('6677b170073181461e48aa63'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
}
```

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

```
>_MONGOSH
Type TC for more
> db.products.find({ product_price : { $gt: 500 } }).limit(4).skip(0);
< {
  _id: ObjectId('6677b170073181461e48aa61'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6677b170073181461e48aa62'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('6677b170073181461e48aa63'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
Atlas atlas-d8xav5-shard-0 [primary] fsd59wdt>
```

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

```
>_MONGOSH
product_color: 'gold'
}
> db.products.find({}, {product_name:1, product_material:1} )
< {
  _id: ObjectId('6677b170073181461e48aa61'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  _id: ObjectId('6677b170073181461e48aa62'),
  product_name: 'Practical Fresh Sausages',
  product_material: 'Cotton'
}
{
  _id: ObjectId('6677b170073181461e48aa63'),
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  _id: ObjectId('6677b170073181461e48aa64'),
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
{
  _id: ObjectId('6677b170073181461e48aa65'),
  product_name: 'Sleek Cotton Chair',
  product_material: 'Fresh'
}
```

6. Find the product with a row id of 10

```
> db.users.find({'id': {$eq: "10"}})
< {
  _id: ObjectId('6677b170073181461e48aa6a'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
Atlas atlas-d8xav5-shard-0 [primary] fsd59wdt>
```

7. Find only the product name and product material

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

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

```
db.products.find({ "product_material": { $all: ["Soft"]}})
{
  _id: ObjectId('6677b170073181461e48aa64'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('6677b170073181461e48aa69'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('6677b170073181461e48aa6b'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
```

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

```
{
  _id: ObjectId('6677b170073181461e48aa73'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
> db.products.find({ $and: [{"product_color": "indigo"}, {"product_price": {$eq: 492.00}}]})
<
Atlas atlas-d8xav5-shard-0 [primary] fsd59wdt>
```

10. Delete the products which product price value are 28

```
db.products.find({ $and: [{"product_color": "indigo"}, {"product_price": {$eq: 492.00}}]})

db.products.aggregate([
  {"$group" : { "_id": "$product_price", "count": { "$sum": 1 } } },
  {"$match": {"_id" :{ "$ne" : null } , "count" : {"$gt": 1} } },
  {"$project": {"name" : "$_id", "_id" : 0} }
])
{
  name: 47
}
{
  name: 36
}
las atlas-d8xav5-shard-0 [primary] fsd59wdt>
```