

MONGODB TASK 1

1. Find all the information about each products

```
> db.product.find();
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7e'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f7f'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f80'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  id: ObjectId('666fa8dccadb93009e4a6f81')...
```

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

```
> db.product.find({'$and':[{'product_price':{'$gt':400}},{'product_price':{'$lt':800}}]});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7e'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f80'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f81'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f82'),
  id: '5',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
```

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

```
> db.product.find({'$or':[{'product_price':{'$lt:400}}',{'product_price':{'$gt:600}}]});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7e'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f7f'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f80'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f81'),
```

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

```
> db.product.find({'product_price':{'$gte:500}});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7e'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f7f'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f80'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  id: ObjectId('666fa8dccadb93009e4a6f84'),
  product_name: 'Intelligent Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
```

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

```
> db.product.find({},{'product_name':1,'product_material':1});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7e'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f7f'),
  product_name: 'Practical Fresh Sausages',
  product_material: 'Cotton'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f80'),
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f81'),
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f82'),
  product_name: 'Sleek Cotton Chair',
  product_material: 'Fresh'
}
{
```


6. Find the product with a row id of 10

```
> db.product.findOne({'id':{'$eq':'10'}});  
< {  
  _id: ObjectId('666fa8dccadb93009e4a6f87'),  
  id: '10',  
  product_name: 'Generic Wooden Pizza',  
  product_price: 84,  
  product_material: 'Frozen',  
  product_color: 'indigo'  
}  
Atlas atlas-7hd4fd-shard-0 [primary] mongod1> |
```

7.Find only the product name and product material

```
> db.product.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'
}
{
  product_name: 'Practical Soft Shoes'
```

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

```
> db.product.find({'product_material':{'$eq:'Soft'}});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f81'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f86'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f88'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  id: ObjectId('666fa8dccadb93009e4a6f90')
```


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

```
> db.product.find({'$or':[{"product_color":{"$eq:'indigo'}},{"product_price":{"$eq:492.00}}]});
< {
  _id: ObjectId('666fa8dccadb93009e4a6f7f'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f81'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f87'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('666fa8dccadb93009e4a6f8e'),
```

10.Delete the products which product price value are 28

```
> db.product.deleteOne({"product_price":{"$eq:28.00}});  
< {  
  acknowledged: true,  
  deletedCount: 1  
}  
Atlas atlas-7hd4fd-shard-0 [primary] mongodb1>
```