

# MongoDB Day 1

- 1) Find all the information about each products:

```
> db.products.find();  
< {  
  _id: ObjectId('668fdbd3f4efc23615bce405'),  
  id: '1',  
  product_name: 'Intelligent Fresh Chips',  
  product_price: 655,
```

```
db.products.find();
```

- 2) Find the product price which are between 400 to 800

```
> db.products.find({product_price:{$gt:400,$lt:800}});  
< {  
  _id: ObjectId('668fdbd3f4efc23615bce405'),  
  id: '1',  
  product_name: 'Intelligent Fresh Chips',  
  product_price: 655,
```

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

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

```
> db.products.find({product_price:{$not:{$gt:400,$lt:600}}});  
< {  
  _id: ObjectId('668fdbd3f4efc23615bce405'),  
  id: '1',  
  product_name: 'Intelligent Fresh Chips',  
  product_price: 655,
```

```
db.products.find({product_price:{$not:{$gt:400,$lt:600}}});
```

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

```
> db.products.find({product_price:{$gt:500}}).limit(4);  
< {  
  _id: ObjectId('668fdbd3f4efc23615bce405'),  
  id: '1',  
  product_name: 'Intelligent Fresh Chips',  
  product_price: 655,
```

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

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

```
> db.products.find({}, {product_name:1, product_material:1, _id:0})
< {
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
```

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

6) Find the product with a row id of 10

```
> db.products.findOne({id:'10'});
< {
  _id: ObjectId('668fdbd3f4efc23615bce48e'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
```

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

7) Find only the product name and product material

```
> db.products.find({}, {product_name:1, product_material:1, _id:0});
< {
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
```

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

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

```
> db.products.find({product_material:"Soft"});
< {
  _id: ObjectId('668fdbd3f4efc23615bce408'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
```

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

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

```
product_price: 28
}
> db.products.find({product_color:'indigo',product_price:492.00});
<
> db.products.find({product_color:'indigo',product_price:492.00});
<
mydb>
```

db.products.find({product\_color:'indigo',product\_price:492.00});  
(or)

```
product_name: 'Licensed Street Car',
product_price: 28,
product_material: 'Cotton',
product_color: 'indigo'
}
> db.products.find({$and:[{product_color:'indigo'},{product_price:492.00}]});
<
```

db.products.find(\$and:[{product\_color:'indigo'},{product\_price:492.00}]);

10) Delete the products which product price value are 28

```
> db.products.deleteMany({product_price:28});
< {
  acknowledged: true,
  deletedCount: 1
}
mydb>
```

db.products.deleteMany({product\_price:28});