

1. Find all the information about each products

```
> db.product.find()
< {
  _id: ObjectId('65f9382ba70a7fe3a4b9bd30'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd31'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 811,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd32'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
```

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

```

_MONGOSH
> db.product.find({product_price:{$gt:400,$lt:800}})
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd30'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd32'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd33'),
  id: '4',
  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:{<400}}, {product_price:{>600}}]})
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd30'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd31'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd32'),
  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
db.product.find({product_price:{>=500}})
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd30'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd31'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd32'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd36'),
```

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

```
_MONGOSH
> db.product.find().projection({product_name:1,product_material:1})
{
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd30'),
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  }
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd31'),
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  }
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd32'),
    product_name: 'Refined Steel Car',
    product_material: 'Rubber'
  }
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd33'),
    product_name: 'Gorgeous Plastic Pants',
    product_material: 'Soft'
  }
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd34'),
    product_name: 'Sleek Cotton Chair',
    product_material: 'Fresh'
  }
}
```

6. Find the product with a row id of 10

```
_MONGOSH
> db.product.find({_id:ObjectId('65f9382ba70a7fe3a4b9bd39')})
{
  {
    _id: ObjectId('65f9382ba70a7fe3a4b9bd39'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
}
foody>
```

## 7. Find only the product name and product material

```
> db.product.find().projection({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: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
```

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

```
> MONGODB
> db.product.find({product_material:"Soft"})
< {
  _id: ObjectId('65f9382ba76a7fe3a4b9bd33'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('65f9382ba76a7fe3a4b9bd38'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('65f9382ba76a7fe3a4b9bd3a'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
```

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

```
> _MONGOSH
> db.product.find({$or:[{product_color:"indigo"},{product_price:492}]})
< {
  _id: ObjectId('65f9382ba70a7fe3a4b9bd31'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd33'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd39'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('65f9382ba70a7fe3a4b9bd35'),
  id: '6',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
```

10. Delete the products which product price value are same

```
> db.product.deleteOne({product_price:36})
< {
  acknowledged: true,
  deletedCount: 1
}
foody>
```