

ASSIGNMENT DAY - 3

1. Find all the information about each products

```
> db.user.find().pretty();
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb6"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb8"),
  "id" : "4",
  "product_name" : "Gorgeous Plastic Pants",
  "product_price" : 492,
  "product_material" : "Soft",
  "product_color" : "plum"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb9"),
  "id" : "5",
  "product_name" : "Sleek Cotton Chair",
  "product_price" : 33,
  "product_material" : "Fresh",
  "product_color" : "black"
}
```

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

```
@(shell):1:43
> db.user.find({product_price:{ $gt: 400,$lt: 800 }}).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb8"),
  "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.user.find({$or:[{product_price:{lte:400}},{product_price:{gte:600}}]}).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb6"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb9"),
  "id" : "5",
  "product_name" : "Sleek Cotton Chair",
  "product_price" : 33,
  "product_material" : "Fresh",
  "product_color" : "black"
}
```

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

```
> db.user.find({product_price:{ $gt: 500 }}).limit(4).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb6"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
```

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

```
> db.user.find({}, {product_name:1, product_material:1}).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "product_name" : "Intelligent Fresh Chips",
  "product_material" : "Concrete"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb6"),
  "product_name" : "Practical Fresh Sausages",
  "product_material" : "Cotton"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "product_name" : "Refined Steel Car",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb8"),
  "product_name" : "Gorgeous Plastic Pants",
  "product_material" : "Soft"
}
```

6. Find the product with a row id of 10

```
> db.user.find({"id":{"$eq":"10"}}).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfbe"),
  "id" : "10",
  "product_name" : "Generic Wooden Pizza",
  "product_price" : 84,
  "product_material" : "Frozen",
  "product_color" : "indigo"
}
```

7. Find only the product name and product material

```
> db.user.find({}, {product_name:1, product_material:1}).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb5"),
  "product_name" : "Intelligent Fresh Chips",
  "product_material" : "Concrete"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb6"),
  "product_name" : "Practical Fresh Sausages",
  "product_material" : "Cotton"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb7"),
  "product_name" : "Refined Steel Car",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb8"),
  "product_name" : "Gorgeous Plastic Pants",
  "product_material" : "Soft"
}
```


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

```
> db.user.find( { product_material: { $eq:"Soft"} }).pretty()
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfb8"),
  "id" : "4",
  "product_name" : "Gorgeous Plastic Pants",
  "product_price" : 492,
  "product_material" : "Soft",
  "product_color" : "plum"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfbd"),
  "id" : "9",
  "product_name" : "Awesome Wooden Ball",
  "product_price" : 28,
  "product_material" : "Soft",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfbf"),
  "id" : "11",
  "product_name" : "Unbranded Wooden Cheese",
  "product_price" : 26,
  "product_material" : "Soft",
  "product_color" : "black"
}
{
  "_id" : ObjectId("6138c881c52b15d53ea2dfc7"),
  "id" : "19",
  "product_name" : "Intelligent Cotton Chips",
  "product_price" : 46,
  "product_material" : "Soft",
  "product_color" : "azure"
}
```

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

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

No such values