MONGO DB CASE STUDY

Find all the information about each products

db.products.find()

```
>_MONGOSH
> db.products.find()
< {
    _id: ObjectId('6880fcc152c6b60573ed4a51'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
   product_price: 655,
    product_material: 'Concrete',
   product_color: 'mint green'
  }
   _id: ObjectId('6880fcc152c6b60573ed4a52'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
   product_price: 911,
    product_material: 'Cotton',
   product_color: 'indigo'
  }
   _id: ObjectId('6880fcc152c6b60573ed4a53'),
   id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
   product_color: 'gold'
  }
   _id: ObjectId('6880fcc152c6b60573ed4a54'),
    id: '4',
   product name: 'Gorgeous Plastic Pants'.
```

Find the product price which are between 400 to 800

db.products.find({ product price: { \$gte: 400, \$lte: 800 } })

```
> db.products.find({ product_price: { $gte: 400, $lte: 800 } })
< ₹
   _id: ObjectId('6880fcc152c6b60573ed4a51'),
   id: '1',
   product_name: 'Intelligent Fresh Chips',
   product_price: 655,
   product_material: 'Concrete',
   product_color: 'mint green'
 }
 {
   _id: ObjectId('6880fcc152c6b60573ed4a53'),
   id: '3',
   product_name: 'Refined Steel Car',
   product_price: 690,
   product_material: 'Rubber',
   product_color: 'gold'
 }
   _id: ObjectId('6880fcc152c6b60573ed4a54'),
   id: '4',
   product_name: 'Gorgeous Plastic Pants',
   product_price: 492,
   product_material: 'Soft',
   product_color: 'plum'
```

Find the product price which are not between 400 to 600

db.products.find({ \$or: [{ product_price: { \$lt: 400 } }, { product_price: { \$gt: 600 } }] })

```
>_MONGOSH
> db.products.find({ $or: [ { product_price: { $lt: 400 } }, { product_price: { $gt: 600 } } ] })
    _id: ObjectId('6880fcc152c6b60573ed4a51'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
   product_material: 'Concrete',
    product_color: 'mint green'
    _id: ObjectId('6880fcc152c6b60573ed4a52'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product price: 911.
   product_material: 'Cotton',
    product_color: 'indigo'
     _id: ObjectId('6880fcc152c6b60573ed4a53'),
    product_material: 'Rubber',
    product_color: 'gold'
```

List the four product which are grater than 500 in price

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

```
>_MON90SH

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

< {
    _id: ObjectId('6880fcc152c6b60573ed4a51'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
}

{
    _id: ObjectId('6880fcc152c6b60573ed4a52'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
}

{
    _id: ObjectId('6880fcc152c6b60573ed4a53'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
}</pre>
```

Find the product name and product material of each products

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

```
>_MONGOSH
> db.products.find({}, { product_name: 1, product_material: 1, _id: 0 })
   product_name: 'Intelligent Fresh Chips',
   product_material: 'Concrete'
   product_name: 'Practical Fresh Sausages',
   product_name: 'Refined Steel Car',
   product_material: 'Rubber'
   product_name: 'Gorgeous Plastic Pants',
   product_name: 'Sleek Cotton Chair',
   product_name: 'Awesome Wooden Towels',
   product_material: 'Plastic'
   product_name: 'Practical Soft Shoes',
   product_material: 'Rubber'
```

Find the product with a row id of 10

db.products.find({ id: "10" })

```
> db.products.find({ id: "10" })

< {
    _id: ObjectId('6880fcc152c6b60573ed4a5a'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
}</pre>
```

Find only the product name and product material

db.products.find({}, { product name: 1, product material: 1, id: 0 })

```
>_MONGOSH
> db.products.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',
   product_material: 'Rubber'
```

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

db.products.find({ product_material: { \$regex: "soft", \$options: "i" } })

```
>_MONGOSH
> db.products.find({ product_material: { $regex: "soft", $options: "i" } })
    _id: ObjectId('6880fcc152c6b60573ed4a54'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  }
    _id: ObjectId('6880fcc152c6b60573ed4a59'),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  }
    _id: ObjectId('6880fcc152c6b60573ed4a5b'),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
```

Find products which contain product color indigo and product price 492.00 db.products.find({ product_color: "indigo", product_price: 492 })

```
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> db.products.find({ product_color: "indigo", product_price: 492 })
```

Delete the products which product price value are same

```
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> db.products.find().pretty()

{
    _id: ObjectId('6880fcc152c6b60573ed4a51'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
}

{
    _id: ObjectId('6880fcc152c6b60573ed4a52'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
}

{
    _id: ObjectId('6880fcc152c6b60573ed4a53'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
}
```