

MongoDB Task-1

Question1: Find all the information about each products.

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

```
>_MONGOSH
> db.products.find();
< {
  _id: ObjectId('65e0712006761417571alc29'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0712006761417571alc2a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65e0712006761417571alc2b'),
  id: '3',
```

Question2: Find the product price which are between 400 to 800

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

```
>_MONGOSH
> db.products.find({product_price:{$gt:400,$lt:800}});
< {
  _id: ObjectId('65e0712006761417571alc29'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0712006761417571alc2b'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('65e0712006761417571alc2c'),
  id: '4',
```

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

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

```
>_MONGOSH
> db.products.find({product_price:{$not:{$gt:400,$lt:600}}});
< {
  _id: ObjectId('65e0712006761417571a1c29'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0712006761417571a1c2a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65e0712006761417571a1c2b'),
  id: '3',
```

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

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

```
>_MONGOSH
> db.products.find({product_price:{$gt:500}}).limit(4);
< {
  _id: ObjectId('65e0712006761417571a1c29'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('65e0712006761417571a1c2a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('65e0712006761417571a1c2b'),
  id: '3',
```

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

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

```
> _MONGOSH
> db.products.find({}, {product_name:1, product_material:1});
< {
  _id: ObjectId('65e0712006761417571alc29'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  _id: ObjectId('65e0712006761417571alc2a'),
  product_name: 'Practical Fresh Sausages',
  product_material: 'Cotton'
}
{
  _id: ObjectId('65e0712006761417571alc2b'),
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  _id: ObjectId('65e0712006761417571alc2c'),
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
```

Question 6: Find the product with a row id of 10.

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

```
> db.products.findOne({ "id": "10" });
< {
  _id: ObjectId('65e0712006761417571alc32'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
```

Question 7: Find only the product name and product material

Solution: `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'
}
```