

For the following question write the corresponding MongoDB queries

Question1: Find all the information about each products.

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

```
> MONGODB
> db.products.find()
< {
  _id: ObjectId('661b9848b1fa428117464db5'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('661b9848b1fa428117464db6'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'mint green'
}
```

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

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

```
> db.products.find({product_price:{$gt:400,$lt:800}});
< {
  _id: ObjectId('661b9848b1fa428117464db5'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('661b9848b1fa428117464db7'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
```

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

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

```

< switched to db fsd56wd2t
> db.products.find({product_price:{not:{$gt:400,$lt:600}}});
< {
  _id: ObjectId('661b9848b1fa428117464db5'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('661b9848b1fa428117464db6'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}

```

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

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

```

> db.products.find({product_price:{$gt:500}}).limit(4);
< {
  _id: ObjectId('661b9848b1fa428117464db5'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('661b9848b1fa428117464db6'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}

```

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

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

```

> db.products.find({}, {product_name:1,product_material:1});
< {
  _id: ObjectId('661b9848b1fa428117464db5'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  _id: ObjectId('661b9848b1fa428117464db6'),
  product_name: 'Practical Fresh Sausages',
  product_material: 'Cotton'
}
{
  _id: ObjectId('661b9848b1fa428117464db7'),
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  _id: ObjectId('661b9848b1fa428117464db8'),
  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('661b9848b1fa428117464d8e'),
  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});`

```
> MONGOOSH
> 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'
  }
]
```

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

Solution: `db.products.find({ "product_material": /soft/i });`

```

> MONGOSH
<
> db.products.find({"product_material":"/soft/i});
< {
  _id: ObjectId('661b9848b1fa428117464db8'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('661b9848b1fa428117464dbd'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}

```

Question 9: Find products which contain product color indigo and product price 492.00

Solution: `db.products({ "product_color": "indigo", "product_price": 492.00 })`

Question 10: Delete the products which product price value are 28

Solution: `db.products.deleteOne({"product_price":28});`

```

> db.products.deleteOne({"product_price":28});
< {
  acknowledged: true,
  deletedCount: 1
}

```