

Question 1:

Find all the information about each products:

```
>_MONGOSH
> db.tables.find({})
< {
  _id: ObjectId('66c0b058c3919edf065834ff'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66c0b058c3919edf06583500'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66c0b058c3919edf06583501'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('66c0b058c3919edf06583502'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
}
```

Question 2:

Find the product price which are between 400 to 800:

```
>_MONGOSH
> db.tables.find({product_price:{$gte:400,$lte:800}})
< {
  _id: ObjectId('66c0b058c3919edf065834ff'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66c0b058c3919edf06583501'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('66c0b058c3919edf06583502'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('66c0b058c3919edf06583504'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
}
```

Question 3:

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

```
>_MONGOSH
> db.tables.find({product_price:{$not:{$gte:400,$lte:800}}})
< {
  _id: ObjectId('66c0b058c3919edf06583500'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66c0b058c3919edf06583503'),
  id: '5',
  product_name: 'Sleek Cotton Chair',
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
}
{
  _id: ObjectId('66c0b058c3919edf06583506'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
}
{
  _id: ObjectId('66c0b058c3919edf06583507'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
}

> db.tables.find({product_price:{$not:{$gte:400,$lte:800}}}).count()
< 20
test>
```

Question 4:

List the four product which are greater than 500 in price

```
>_MONGOSH
> db.tables.find({product_price:{$gte:500}}).limit(4);
< {
  _id: ObjectId('66c0b058c3919edf065834ff'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66c0b058c3919edf06583500'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66c0b058c3919edf06583501'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('66c0b058c3919edf06583505'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}
}
```

Question 5:

Find the product name and product material of each products:

```
>_MONGOSH
> db.tables.find({}, {_id:0,product_name:1,product_price:1})
< [
  {
    product_name: 'Intelligent Fresh Chips',
    product_price: 655
  },
  {
    product_name: 'Practical Fresh Sausages',
    product_price: 911
  },
  {
    product_name: 'Refined Steel Car',
    product_price: 690
  },
  {
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492
  },
  {
    product_name: 'Sleek Cotton Chair',
    product_price: 33
  },
  {
    product_name: 'Awesome Wooden Towels',
    product_price: 474
  },
  {
    product_name: 'Practical Soft Shoes',
    product_price: 500
  },
  {
    product_name: 'Incredible Steel Hat',
    product_price: 78
  }
]
```

```
> db.tables.find({}, {_id:0,product_name:1,product_price:1}).count()
< 25
test>
```

Question 6:

Find the product with a row id of 10:

```
> db.tables.find({ id: 10 });
<
test>
```

```
> db.tables.findOne({id:10});
< null
test>
```

Question 7:

Find only the product name and product material:

```

> MONGODB
> db.tables.find({},[_id:0,product_name:1,product_price:1])
< {
  product_name: 'Intelligent Fresh Chips',
  product_price: 655
}
{
  product_name: 'Practical Fresh Sausages',
  product_price: 911
}
{
  product_name: 'Refined Steel Car',
  product_price: 698
}
{
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492
}
{
  product_name: 'Sleek Cotton Chair',
  product_price: 33
}
{
  product_name: 'Awesome Wooden Towels',
  product_price: 474
}
{
  product_name: 'Practical Soft Shoes',
  product_price: 508
}
{
  product_name: 'Incredible Steel Hat',
  product_price: 78
}

```

Question 8:

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

```

> db.tables.findOne({product_material:{$eq:"Soft"}});
< {
  _id: ObjectId('66c0b058c3919edf06583502'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}

```

Question 9:

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

```

> db.tables.find({$or:[{product_colour:"indigo"},{product_price:492}]})
< {
  _id: ObjectId('66c0b058c3919edf06583502'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}

```

Question 10 :

Delete the products which product price value are 28

```
> MONGOSH
> db.tables.deleteMany({ product_price: 28 });
< {
  acknowledged: true,
  deletedCount: 1
}
> db.tables.find().count();
< 24
> db.tables.find()
< {
  _id: ObjectId('66c0c3758a1e3afb67ad886c'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66c0c3758a1e3afb67ad886d'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  id: ObjectId('66c0c3758a1e3afb67ad886e')
```