

For the following question write the corresponding MongoDB queries

1. Find all the information about each products

```
product> db.list.find()
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bc'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bd'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710be'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bf'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c0'),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
    product_color: 'black'
  },
]
```

```
{
  _id: ObjectId('66d37a978a63cc3cc12710c1'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c2'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c3'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c4'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c5'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c6'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
},
}
```

```
{
  _id: ObjectId('66d37a978a63cc3cc12710c7'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c8'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c9'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710ca'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710cb'),
  id: '16',
  product_name: 'Small Soft Chair',
  product_price: 47,
  product_material: 'Cotton',
  product_color: 'teal'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710cc'),
  id: '17',
  product_name: 'Incredible Metal Car',
  product_price: 36,
  product_material: 'Fresh',
  product_color: 'indigo'
},
}
```

```
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710d0'),
    id: '21',
    product_name: 'Unbranded Granite Chicken',
    product_price: 90,
    product_material: 'Metal',
    product_color: 'gold'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d1'),
    id: '22',
    product_name: 'Ergonomic Soft Hat',
    product_price: 99,
    product_material: 'Rubber',
    product_color: 'black'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d2'),
    id: '23',
    product_name: 'Intelligent Steel Pizza',
    product_price: 95,
    product_material: 'Cotton',
    product_color: 'azure'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d3'),
    id: '24',
    product_name: 'Tasty Rubber Cheese',
    product_price: 47,
    product_material: 'Frozen',
    product_color: 'orchid'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d4'),
    id: '25',
    product_name: 'Licensed Steel Car',
    product_price: 20,
    product_material: 'Cotton',
    product_color: 'indigo'
  }
]
```

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

```

product> db.list.find({ product_price: { $gte: 400, $lte: 800 } })
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bc'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710be'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bf'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c1'),
    id: '6',
    product_name: 'Awesome Wooden Towels',
    product_price: 474,
    product_material: 'Plastic',
    product_color: 'orange'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c2'),
    id: '7',
    product_name: 'Practical Soft Shoes',
    product_price: 500,
    product_material: 'Rubber',
    product_color: 'pink'
  }
]
product> 

```

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

```
product> db.list.find({ product_price: {$not:{$gte: 400, $lte: 600 }} })
```

```
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bc'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bd'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710be'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c0'),
    id: '5',
    product_name: 'Sleek Cotton Chair',
    product_price: 33,
    product_material: 'Fresh',
    product_color: 'black'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c3'),
    id: '8',
    product_name: 'Incredible Steel Hat',
    product_price: 78,
    product_material: 'Rubber',
    product_color: 'violet'
  },
]
```

```
{
  _id: ObjectId('66d37a978a63cc3cc12710c4'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c5'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c6'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c7'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c8'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c9'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
},
}
```

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

```
product> db.list.find({product_price:{$gt:500}})
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bc'),
    id: '1',
    product_name: 'Intelligent Fresh Chips',
    product_price: 655,
    product_material: 'Concrete',
    product_color: 'mint green'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bd'),
    id: '2',
    product_name: 'Practical Fresh Sausages',
    product_price: 911,
    product_material: 'Cotton',
    product_color: 'indigo'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710be'),
    id: '3',
    product_name: 'Refined Steel Car',
    product_price: 690,
    product_material: 'Rubber',
    product_color: 'gold'
  }
]
product>
```

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



```
product> db.list.find({}, {product_name:1,product_material:1})
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bc'),
    product_name: 'Intelligent Fresh Chips',
    product_material: 'Concrete'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bd'),
    product_name: 'Practical Fresh Sausages',
    product_material: 'Cotton'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710be'),
    product_name: 'Refined Steel Car',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710bf'),
    product_name: 'Gorgeous Plastic Pants',
    product_material: 'Soft'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c0'),
    product_name: 'Sleek Cotton Chair',
    product_material: 'Fresh'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c1'),
    product_name: 'Awesome Wooden Towels',
    product_material: 'Plastic'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c2'),
    product_name: 'Practical Soft Shoes',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c3'),
    product_name: 'Incredible Steel Hat',
    product_material: 'Rubber'
  },
]
```

```
{
  _id: ObjectId('66d37a978a63cc3cc12710c4'),
  product_name: 'Awesome Wooden Ball',
  product_material: 'Soft'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c5'),
  product_name: 'Generic Wooden Pizza',
  product_material: 'Frozen'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c6'),
  product_name: 'Unbranded Wooden Cheese',
  product_material: 'Soft'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c7'),
  product_name: 'Unbranded Plastic Salad',
  product_material: 'Wooden'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c8'),
  product_name: 'Gorgeous Cotton Keyboard',
  product_material: 'Concrete'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710c9'),
  product_name: 'Incredible Steel Shirt',
  product_material: 'Metal'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710ca'),
  product_name: 'Ergonomic Cotton Hat',
  product_material: 'Rubber'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710cb'),
  product_name: 'Small Soft Chair',
  product_material: 'Cotton'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710cc'),
  product_name: 'Incredible Metal Car',
  product_material: 'Fresh'
},
}
```

```

{
  _id: ObjectId('66d37a978a63cc3cc12710ce'),
  product_name: 'Intelligent Cotton Chips',
  product_material: 'Soft'
},
{
  _id: ObjectId('66d37a978a63cc3cc12710cf'),
  product_name: 'Handcrafted Wooden Bacon',
  product_material: 'Concrete'
}
]
Type "it" for more
product> it
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710d0'),
    product_name: 'Unbranded Granite Chicken',
    product_material: 'Metal'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d1'),
    product_name: 'Ergonomic Soft Hat',
    product_material: 'Rubber'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d2'),
    product_name: 'Intelligent Steel Pizza',
    product_material: 'Cotton'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d3'),
    product_name: 'Tasty Rubber Cheese',
    product_material: 'Frozen'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710d4'),
    product_name: 'Licensed Steel Car',
    product_material: 'Cotton'
  }
]
product> 5.      Find the product name and product material of each products_

```

6. Find the product with a row id of 10

```
product> db.list.find({id:{$eq: "10"}})
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710c5'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
]
product>
```

7. Find only the product name and product material

```
product> db.list.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' },
  { product_name: 'Incredible Steel Hat', product_material: 'Rubber' },
  { product_name: 'Awesome Wooden Ball', product_material: 'Soft' },
  { product_name: 'Generic Wooden Pizza', product_material: 'Frozen' },
  { product_name: 'Unbranded Wooden Cheese', product_material: 'Soft' },
  {
    product_name: 'Unbranded Plastic Salad',
    product_material: 'Wooden'
  },
  {
    product_name: 'Gorgeous Cotton Keyboard',
    product_material: 'Concrete'
  },
  { product_name: 'Incredible Steel Shirt', product_material: 'Metal' },
  { product_name: 'Ergonomic Cotton Hat', product_material: 'Rubber' },
  { product_name: 'Small Soft Chair', product_material: 'Cotton' },
  { product_name: 'Incredible Metal Car', product_material: 'Fresh' },
  { product_name: 'Licensed Plastic Bacon', product_material: 'Steel' },
  {
    product_name: 'Intelligent Cotton Chips',
    product_material: 'Soft'
  },
  {
    product_name: 'Handcrafted Wooden Bacon',
    product_material: 'Concrete'
  }
]
```

```
{
  product_name: 'Unbranded Granite Chicken',
  product_material: 'Metal'
},
{ product_name: 'Ergonomic Soft Hat', product_material: 'Rubber' },
{
  product_name: 'Intelligent Steel Pizza',
  product_material: 'Cotton'
},
{ product_name: 'Tasty Rubber Cheese', product_material: 'Frozen' },
{ product_name: 'Licensed Steel Car', product_material: 'Cotton' }
]
product> _
```

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

```

product> db.list.find({product_material:'Soft'});
[
  {
    _id: ObjectId('66d37a978a63cc3cc12710bf'),
    id: '4',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c4'),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710c6'),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  },
  {
    _id: ObjectId('66d37a978a63cc3cc12710ce'),
    id: '19',
    product_name: 'Intelligent Cotton Chips',
    product_price: 46,
    product_material: 'Soft',
    product_color: 'azure'
  }
]
product>

```

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

```

product> db.list.find({}, {product_color: "indigo", product_price: 492, _id: 0});
[
  { product_price: 655, product_color: 'indigo' },
  { product_price: 911, product_color: 'indigo' },
  { product_price: 690, product_color: 'indigo' },
  { product_price: 492, product_color: 'indigo' },
  { product_price: 33, product_color: 'indigo' },
  { product_price: 474, product_color: 'indigo' },
  { product_price: 500, product_color: 'indigo' },
  { product_price: 78, product_color: 'indigo' },
  { product_price: 28, product_color: 'indigo' },
  { product_price: 84, product_color: 'indigo' },
  { product_price: 26, product_color: 'indigo' },
  { product_price: 89, product_color: 'indigo' },
  { product_price: 37, product_color: 'indigo' },
  { product_price: 54, product_color: 'indigo' },
  { product_price: 43, product_color: 'indigo' },
  { product_price: 47, product_color: 'indigo' },
  { product_price: 36, product_color: 'indigo' },
  { product_price: 88, product_color: 'indigo' },
  { product_price: 46, product_color: 'indigo' },
  { product_price: 36, product_color: 'indigo' }
]
Type "it" for more
product> it
[
  { product_price: 90, product_color: 'indigo' },
  { product_price: 99, product_color: 'indigo' },
  { product_price: 95, product_color: 'indigo' },
  { product_price: 47, product_color: 'indigo' },
  { product_price: 20, product_color: 'indigo' }
]
product>

```

10. Delete the products which product price value are 28

```

product> db.list.deleteMany({ product_price: 28 })
{ acknowledged: true, deletedCount: 1 }
product>

```