

TaskDay35

For the following question write the corresponding MongoDB queries

1. Find all the information about each products

Solution: `db.products.find()`

```
<
> db.products.find()
< {
  _id: ObjectId('66718f8e0a91d293df08d167'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66718f8e0a91d293df08d168'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d169'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d16a'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16b'),
  id: '5',
  product_name: 'Sleek Cotton Chair',
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16c'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d16d'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16e'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16f'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d170'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d171'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('66718f8e0a91d293df08d172'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d173'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
  _id: ObjectId('66718f8e0a91d293df08d174'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('66718f8e0a91d293df08d175'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d176'),
  id: '16',
  product_name: 'Small Soft Chair',
  product_price: 47,
  product_material: 'Cotton',
  product_color: 'teal'
}
{
  _id: ObjectId('66718f8e0a91d293df08d177'),
  id: '17',
  product_name: 'Incredible Metal Car',
  product_price: 36,
  product_material: 'Fresh',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d178'),
  id: '18',
  product_name: 'Licensed Plastic Bacon',
  product_price: 88,
  product_material: 'Steel',
  product_color: 'yellow'
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d179'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('66718f8e0a91d293df08d17a'),
  id: '20',
  product_name: 'Handcrafted Wooden Bacon',
  product_price: 36,
  product_material: 'Concrete',
  product_color: 'lime'
}
Type "it" for more
> it
< {
  _id: ObjectId('66718f8e0a91d293df08d17b'),
  id: '21',
  product_name: 'Unbranded Granite Chicken',
  product_price: 90,
  product_material: 'Metal',
  product_color: 'gold'
}
```

```

{
  _id: ObjectId('66718f8e0a91d293df08d17d'),
  id: '23',
  product_name: 'Intelligent Steel Pizza',
  product_price: 95,
  product_material: 'Cotton',
  product_color: 'azure'
}
{
  _id: ObjectId('66718f8e0a91d293df08d17e'),
  id: '24',
  product_name: 'Tasty Rubber Cheese',
  product_price: 47,
  product_material: 'Frozen',
  product_color: 'orchid'
}
{
  _id: ObjectId('66718f8e0a91d293df08d17f'),
  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

Solution: `db.products.find({product_price:{$gte:400,$lte:800}})`

```

> db.products.find({product_price:{$gte:400,$lte:800}})
< {
  _id: ObjectId('66718f8e0a91d293df08d167'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66718f8e0a91d293df08d169'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16a'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}

```

```

{
  _id: ObjectId('66718f8e0a91d293df08d16a'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16c'),
  id: '6',
  product_name: 'Awesome Wooden Towels',
  product_price: 474,
  product_material: 'Plastic',
  product_color: 'orange'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16d'),
  id: '7',
  product_name: 'Practical Soft Shoes',
  product_price: 500,
  product_material: 'Rubber',
  product_color: 'pink'
}

```



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

Solution: `db.products.find({product_price:{$not:{$gte:400,$lte:600}}})`

```

> db.products.find({product_price:{$not:{$gte:400,$lte:600}}})
< {
  _id: ObjectId('66718f8e0a91d293df08d167'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66718f8e0a91d293df08d168'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d169'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 698,
  product_material: 'Rubber',
  product_color: 'gold'
}

```

```
{
  _id: ObjectId('66718f8e0a91d293df08d16b'),
  id: '5',
  product_name: 'Sleek Cotton Chair',
  product_price: 33,
  product_material: 'Fresh',
  product_color: 'black'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16e'),
  id: '8',
  product_name: 'Incredible Steel Hat',
  product_price: 78,
  product_material: 'Rubber',
  product_color: 'violet'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16f'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d170'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d171'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}
{
  _id: ObjectId('66718f8e0a91d293df08d172'),
  id: '12',
  product_name: 'Unbranded Plastic Salad',
  product_price: 89,
  product_material: 'Wooden',
  product_color: 'pink'
}
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d173'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
  _id: ObjectId('66718f8e0a91d293df08d174'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('66718f8e0a91d293df08d175'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
}
```

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```
{
  _id: ObjectId('66718f8e0a91d293df08d173'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
  _id: ObjectId('66718f8e0a91d293df08d174'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('66718f8e0a91d293df08d175'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d173'),
  id: '13',
  product_name: 'Gorgeous Cotton Keyboard',
  product_price: 37,
  product_material: 'Concrete',
  product_color: 'sky blue'
}
{
  _id: ObjectId('66718f8e0a91d293df08d174'),
  id: '14',
  product_name: 'Incredible Steel Shirt',
  product_price: 54,
  product_material: 'Metal',
  product_color: 'white'
}
{
  _id: ObjectId('66718f8e0a91d293df08d175'),
  id: '15',
  product_name: 'Ergonomic Cotton Hat',
  product_price: 43,
  product_material: 'Rubber',
  product_color: 'mint green'
}
}
```

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```

}
{
  _id: ObjectId('66718f8e0a91d293df08d17f'),
  id: '25',
  product_name: 'Licensed Steel Car',
  product_price: 20,
  product_material: 'Cotton',
  product_color: 'indigo'
}
}

```

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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('66718f8e0a91d293df08d167'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('66718f8e0a91d293df08d168'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('66718f8e0a91d293df08d169'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}
}

```

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('66718f8e0a91d293df08d167'),
  product_name: 'Intelligent Fresh Chips',
  product_material: 'Concrete'
}
{
  _id: ObjectId('66718f8e0a91d293df08d168'),
  product_name: 'Practical Fresh Sausages',
  product_material: 'Cotton'
}
{
  _id: ObjectId('66718f8e0a91d293df08d169'),
  product_name: 'Refined Steel Car',
  product_material: 'Rubber'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16a'),
  product_name: 'Gorgeous Plastic Pants',
  product_material: 'Soft'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16b'),
  product_name: 'Sleek Cotton Chair',
  product_material: 'Fresh'
}
}

```

```
{
  _id: ObjectId('66718f8e0a91d293df08d16c'),
  product_name: 'Awesome Wooden Towels',
  product_material: 'Plastic'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16d'),
  product_name: 'Practical Soft Shoes',
  product_material: 'Rubber'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16e'),
  product_name: 'Incredible Steel Hat',
  product_material: 'Rubber'
}
{
  _id: ObjectId('66718f8e0a91d293df08d16f'),
  product_name: 'Awesome Wooden Ball',
  product_material: 'Soft'
}
{
  _id: ObjectId('66718f8e0a91d293df08d170'),
  product_name: 'Generic Wooden Pizza',
  product_material: 'Frozen'
}
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d171'),
  product_name: 'Unbranded Wooden Cheese',
  product_material: 'Soft'
}
{
  _id: ObjectId('66718f8e0a91d293df08d172'),
  product_name: 'Unbranded Plastic Salad',
  product_material: 'Wooden'
}
{
  _id: ObjectId('66718f8e0a91d293df08d173'),
  product_name: 'Gorgeous Cotton Keyboard',
  product_material: 'Concrete'
}
{
  _id: ObjectId('66718f8e0a91d293df08d174'),
  product_name: 'Incredible Steel Shirt',
  product_material: 'Metal'
}
{
  _id: ObjectId('66718f8e0a91d293df08d175'),
  product_name: 'Ergonomic Cotton Hat',
  product_material: 'Rubber'
}
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d176'),
  product_name: 'Small Soft Chair',
  product_material: 'Cotton'
}
{
  _id: ObjectId('66718f8e0a91d293df08d177'),
  product_name: 'Incredible Metal Car',
  product_material: 'Fresh'
}
{
  _id: ObjectId('66718f8e0a91d293df08d178'),
  product_name: 'Licensed Plastic Bacon',
  product_material: 'Steel'
}
{
  _id: ObjectId('66718f8e0a91d293df08d179'),
  product_name: 'Intelligent Cotton Chips',
  product_material: 'Soft'
}
{
  _id: ObjectId('66718f8e0a91d293df08d17a'),
  product_name: 'Handcrafted Wooden Bacon',
  product_material: 'Concrete'
}
}
```

```
1  _id: ObjectId('66718f8e0a91d293df08d176'),
2  product_name: 'Small Soft Chair',
3  product_material: 'Cotton'
4
5  _id: ObjectId('66718f8e0a91d293df08d177'),
6  product_name: 'Incredible Metal Car',
7  product_material: 'Fresh'
8
9  _id: ObjectId('66718f8e0a91d293df08d178'),
10 product_name: 'Licensed Plastic Bacon',
11 product_material: 'Steel'
12
13 _id: ObjectId('66718f8e0a91d293df08d179'),
14 product_name: 'Intelligent Cotton Chips',
15 product_material: 'Soft'
16
17 _id: ObjectId('66718f8e0a91d293df08d17a'),
18 product_name: 'Handcrafted Wooden Bacon',
19 product_material: 'Concrete'
20
```

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```
Type "it" for more
> it
{
  {
    _id: ObjectId('66718f8e0a91d293df08d17b'),
    product_name: 'Unbranded Granite Chicken',
    product_material: 'Metal'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d17c'),
    product_name: 'Ergonomic Soft Hat',
    product_material: 'Rubber'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d17d'),
    product_name: 'Intelligent Steel Pizza',
    product_material: 'Cotton'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d17e'),
    product_name: 'Tasty Rubber Cheese',
    product_material: 'Frozen'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d17f'),
    product_name: 'Licensed Steel Car',
    product_material: 'Cotton'
  }
}
```

6. Find the product with a row id of 10

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

```
> db.products.find({id:"10"},{})
{
  {
    _id: ObjectId('66718f8e0a91d293df08d170'),
    id: '10',
    product_name: 'Generic Wooden Pizza',
    product_price: 84,
    product_material: 'Frozen',
    product_color: 'indigo'
  }
}
```

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7. Find only the product name and product material

QUESTION 5 AND 7 ARE REPETITION..

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

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

Solution: `db.products.find({product_material:"Soft"})`

```
> db.products.find({product_material:"Soft"})
{
  {
    _id: ObjectId('66718f8e0a91d293df08d16a'),
    id: '14',
    product_name: 'Gorgeous Plastic Pants',
    product_price: 492,
    product_material: 'Soft',
    product_color: 'plum'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d16f'),
    id: '9',
    product_name: 'Awesome Wooden Ball',
    product_price: 28,
    product_material: 'Soft',
    product_color: 'azure'
  }
  {
    _id: ObjectId('66718f8e0a91d293df08d171'),
    id: '11',
    product_name: 'Unbranded Wooden Cheese',
    product_price: 26,
    product_material: 'Soft',
    product_color: 'black'
  }
}
```

```
{
  _id: ObjectId('66718f8e0a91d293df08d179'),
  id: '19',
  product_name: 'Intelligent Cotton Chips',
  product_price: 46,
  product_material: 'Soft',
  product_color: 'azure'
}
```

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

```
> db.product.find({product_color:"indigo",product_price:492.00})
<
TaskDay35 >
```

10. Delete the products which product price value are 28
Solution: `db.product.deleteOne({product_price:28})`

```
> db.product.deleteOne({product_price:28})
< {
  acknowledged: true,
  deletedCount: 0
}
```

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