

MONGODB

Collection name: **Sausages**

Documents: [

```
{
  "id": "1",
  "product_name": "Intelligent Fresh Chips",
  "product_price": 655.00,
  "product_material": "Concrete",
  "product_color": "mint green"
},
{
  "id": "2",
  "product_name": "Practical Fresh Sausages",
  "product_price": 911.0,
  "product_material": "Cotton",
  "product_color": "indigo"
},
{
  "id": "3",
  "product_name": "Refined Steel Car",
  "product_price": 690.00,
  "product_material": "Rubber",
  "product_color": "gold"
},
```

```
{
  "id": "4",
  "product_name": "Gorgeous Plastic Pants",
  "product_price": 492.00,
  "product_material": "Soft",
  "product_color": "plum"
},
{
  "id": "5",
  "product_name": "Sleek Cotton Chair",
  "product_price": 33.00,
  "product_material": "Fresh",
  "product_color": "black"
},
{
  "id": "6",
  "product_name": "Awesome Wooden Towels",
  "product_price": 474.00,
  "product_material": "Plastic",
  "product_color": "orange"
},
{
  "id": "7",
  "product_name": "Practical Soft Shoes",
  "product_price": 500.00,
  "product_material": "Rubber",
  "product_color": "pink"
```

```
},  
  
{  
  "id": "8",  
  "product_name": "Incredible Steel Hat",  
  "product_price": 78.00,  
  "product_material": "Rubber",  
  "product_color": "violet"  
},  
  
{  
  "id": "9",  
  "product_name": "Awesome Wooden Ball",  
  "product_price": 28.00,  
  "product_material": "Soft",  
  "product_color": "azure"  
},  
  
{  
  "id": "10",  
  "product_name": "Generic Wooden Pizza",  
  "product_price": 84.00,  
  "product_material": "Frozen",  
  "product_color": "indigo"  
},  
  
{  
  "id": "11",  
  "product_name": "Unbranded Wooden Cheese",  
  "product_price": 26.00,  
  "product_material": "Soft",
```

```
"product_color": "black"
},
{
  "id": "12",
  "product_name": "Unbranded Plastic Salad",
  "product_price": 89.00,
  "product_material": "Wooden",
  "product_color": "pink"
},
{
  "id": "13",
  "product_name": "Gorgeous Cotton Keyboard",
  "product_price": 37.00,
  "product_material": "Concrete",
  "product_color": "sky blue"
},
{
  "id": "14",
  "product_name": "Incredible Steel Shirt",
  "product_price": 54.00,
  "product_material": "Metal",
  "product_color": "white"
},
{
  "id": "15",
  "product_name": "Ergonomic Cotton Hat",
  "product_price": 43.00,
```

```
"product_material": "Rubber",  
"product_color": "mint green"  
},  
{  
  "id": "16",  
  "product_name": "Small Soft Chair",  
  "product_price": 47.00,  
  "product_material": "Cotton",  
  "product_color": "teal"  
},  
{  
  "id": "17",  
  "product_name": "Incredible Metal Car",  
  "product_price": 36.00,  
  "product_material": "Fresh",  
  "product_color": "indigo"  
},  
{  
  "id": "18",  
  "product_name": "Licensed Plastic Bacon",  
  "product_price": 88.00,  
  "product_material": "Steel",  
  "product_color": "yellow"  
},  
{  
  "id": "19",  
  "product_name": "Intelligent Cotton Chips",
```

```
"product_price": 46.00,  
"product_material": "Soft",  
"product_color": "azure"  
},  
{  
  "id": "20",  
  "product_name": "Handcrafted Wooden Bacon",  
  "product_price": 36.00,  
  "product_material": "Concrete",  
  "product_color": "lime"  
},  
{  
  "id": "21",  
  "product_name": "Unbranded Granite Chicken",  
  "product_price": 90.00,  
  "product_material": "Metal",  
  "product_color": "gold"  
},  
{  
  "id": "22",  
  "product_name": "Ergonomic Soft Hat",  
  "product_price": 99.00,  
  "product_material": "Rubber",  
  "product_color": "black"  
},  
{  
  "id": "23",
```

```
    "product_name": "Intelligent Steel Pizza",
    "product_price": 95.00,
    "product_material": "Cotton",
    "product_color": "azure"
  },
  {
    "id": "24",
    "product_name": "Tasty Rubber Cheese",
    "product_price": 47.00,
    "product_material": "Frozen",
    "product_color": "orchid"
  },
  {
    "id": "25",
    "product_name": "Licensed Steel Car",
    "product_price": 20.00,
    "product_material": "Cotton",
    "product_color": "indigo"
  }
]
```

1.) Find all the information about each products

Query: **db.Sausages.find()**

```

> db.Sausages.find()
< {
  _id: ObjectId('6645f01f2ca55bc4f189a559'),
  id: '1',
  product_name: 'Intelligent Fresh Chips',
  product_price: 655,
  product_material: 'Concrete',
  product_color: 'mint green'
}
{
  _id: ObjectId('6645f01f2ca55bc4f189a55a'),
  id: '2',
  product_name: 'Practical Fresh Sausages',
  product_price: 911,
  product_material: 'Cotton',
  product_color: 'indigo'
}
{
  _id: ObjectId('6645f01f2ca55bc4f189a55b'),
  id: '3',
  product_name: 'Refined Steel Car',
  product_price: 690,
  product_material: 'Rubber',
  product_color: 'gold'
}

```

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

Query:

```

db.Sausages.find({$and:[{"product_price":{$gt:400}},{"product_price":{$lt:800}}]}, {product_name:1,product_price:1,_id:0})

```



```

> db.Sausages.find({$and:[{"product_price":{$gt:400}},{"product_price":{$lt:800}}], {product_name:1,product_price:1,_id:0})
< {
  product_name: 'Intelligent Fresh Chips',
  product_price: 655
}
{
  product_name: 'Refined Steel Car',
  product_price: 690
}
{
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492
}
{
  product_name: 'Awesome Wooden Towels',
  product_price: 474
}
{
  product_name: 'Practical Soft Shoes',
  product_price: 500
}

```

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

Query: **db.Sausages.find({**
\$nor: [
{ product_price: { \$gte: 400, \$lte: 600 } }
]], {product_name:1,product_price:1,_id:0})

```

> db.Sausages.find({
  $nor: [
    { product_price: { $gte: 400, $lte: 600 } }
  ]
}, {product_name:1,product_price:1,_id:0})
< {
  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: 'Sleek Cotton Chair',
  product_price: 33
}

```

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

Query: **db.Sausages.find({"product_price":{"\$gte:500}},**
{product_name:1,product_price:1,_id:0}).sort({"product_price":-
1}).limit(4)

```
> db.Sausages.find({"product_price":{$gte:500}}, {product_name:1,product_price:1,_id:0}).sort({"product_price":-1}).limit(4)
< {
  product_name: 'Practical Fresh Sausages',
  product_price: 911
}
{
  product_name: 'Refined Steel Car',
  product_price: 690
}
{
  product_name: 'Intelligent Fresh Chips',
  product_price: 655
}
{
  product_name: 'Practical Soft Shoes',
  product_price: 500
}
```

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

Query:

```
db.Sausages.find({},{"product_name":1,"product_material":1,"_id":0})
```

```
> db.Sausages.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'
}
{
```

6.) Find the product with a row id of 10

Query: **db.Sausages.find({"id":"10"})**

```
> db.Sausages.find({"id":"10"})
< {
  _id: ObjectId('6645f01f2ca55bc4f189a562'),
  id: '10',
  product_name: 'Generic Wooden Pizza',
  product_price: 84,
  product_material: 'Frozen',
  product_color: 'indigo'
}
```

7.) Find only the product name and product material

Query: **db.Sausages.find({ "id": "10" }, { "product_name": 1, "product_material": 1, "_id": 0 })**

```
> db.Sausages.find({ "id": "10" }, { "product_name": 1, "product_material": 1, "_id": 0 })
< {
  product_name: 'Generic Wooden Pizza',
  product_material: 'Frozen'
}
```

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

Query: **db.Sausages.find({"product_material":"Soft"})**

```

> db.Sausages.find({"product_material":"Soft"})
< {
  _id: ObjectId('6645f01f2ca55bc4f189a55c'),
  id: '4',
  product_name: 'Gorgeous Plastic Pants',
  product_price: 492,
  product_material: 'Soft',
  product_color: 'plum'
}
{
  _id: ObjectId('6645f01f2ca55bc4f189a561'),
  id: '9',
  product_name: 'Awesome Wooden Ball',
  product_price: 28,
  product_material: 'Soft',
  product_color: 'azure'
}
{
  _id: ObjectId('6645f01f2ca55bc4f189a563'),
  id: '11',
  product_name: 'Unbranded Wooden Cheese',
  product_price: 26,
  product_material: 'Soft',
  product_color: 'black'
}

```

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

Query:

```
db.Sausages.find({"product_color":"indigo","product_price":492})
```

Result:

No such document with product color indigo and product price 492.00.

10.) Delete the products which product price value are 28

Query: **db.Sausages.deleteMany({"product_price":28})**

```
> db.Sausages.deleteMany({"product_price":28})
< {
  acknowledged: true,
  deletedCount: 1
}
```

