

# .....products.....

## 1.Find all the information about each products

Query:

```
db.products.find().pretty();
```

output:

```
{
  "_id" : ObjectId("6448158807600df5a13a90b4"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b5"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b6"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b7"),
  "id" : "4",
  "product_name" : "Gorgeous Plastic Pants",
  "product_price" : 492,
  "product_material" : "Soft",
  "product_color" : "plum"
}
{
```

```
"_id" : ObjectId("6448158807600df5a13a90b8"),
"id" : "5",
"product_name" : "Sleek Cotton Chair",
"product_price" : 33,
"product_material" : "Fresh",
"product_color" : "black"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b9"),
  "id" : "6",
  "product_name" : "Awesome Wooden Towels",
  "product_price" : 474,
  "product_material" : "Plastic",
  "product_color" : "orange"
}
{
  "_id" : ObjectId("6448158807600df5a13a90ba"),
  "id" : "7",
  "product_name" : "Practical Soft Shoes",
  "product_price" : 500,
  "product_material" : "Rubber",
  "product_color" : "pink"
}
{
  "_id" : ObjectId("6448158807600df5a13a90bb"),
  "id" : "8",
  "product_name" : "Incredible Steel Hat",
  "product_price" : 78,
  "product_material" : "Rubber",
  "product_color" : "violet"
}
{
  "_id" : ObjectId("6448158807600df5a13a90bc"),
  "id" : "9",
  "product_name" : "Awesome Wooden Ball",
  "product_price" : 28,
  "product_material" : "Soft",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6448158807600df5a13a90bd"),
  "id" : "10",
  "product_name" : "Generic Wooden Pizza",
  "product_price" : 84,
```

```
    "product_material" : "Frozen",
    "product_color" : "indigo"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90be"),
    "id" : "11",
    "product_name" : "Unbranded Wooden Cheese",
    "product_price" : 26,
    "product_material" : "Soft",
    "product_color" : "black"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90bf"),
    "id" : "12",
    "product_name" : "Unbranded Plastic Salad",
    "product_price" : 89,
    "product_material" : "Wooden",
    "product_color" : "pink"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c0"),
    "id" : "13",
    "product_name" : "Gorgeous Cotton Keyboard",
    "product_price" : 37,
    "product_material" : "Concrete",
    "product_color" : "sky blue"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c1"),
    "id" : "14",
    "product_name" : "Incredible Steel Shirt",
    "product_price" : 54,
    "product_material" : "Metal",
    "product_color" : "white"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c2"),
    "id" : "15",
    "product_name" : "Ergonomic Cotton Hat",
    "product_price" : 43,
    "product_material" : "Rubber",
    "product_color" : "mint green"
  }
}
```

```

{
  "_id" : ObjectId("6448158807600df5a13a90c3"),
  "id" : "16",
  "product_name" : "Small Soft Chair",
  "product_price" : 47,
  "product_material" : "Cotton",
  "product_color" : "teal"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c4"),
  "id" : "17",
  "product_name" : "Incredible Metal Car",
  "product_price" : 36,
  "product_material" : "Fresh",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c5"),
  "id" : "18",
  "product_name" : "Licensed Plastic Bacon",
  "product_price" : 88,
  "product_material" : "Steel",
  "product_color" : "yellow"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c6"),
  "id" : "19",
  "product_name" : "Intelligent Cotton Chips",
  "product_price" : 46,
  "product_material" : "Soft",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c7"),
  "id" : "20",
  "product_name" : "Handcrafted Wooden Bacon",
  "product_price" : 36,
  "product_material" : "Concrete",
  "product_color" : "lime"
}
Type "it" for more
> it
{
  "_id" : ObjectId("6448158807600df5a13a90c8"),

```

```
"id" : "21",
"product_name" : "Unbranded Granite Chicken",
"product_price" : 90,
"product_material" : "Metal",
"product_color" : "gold"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c9"),
  "id" : "22",
  "product_name" : "Ergonomic Soft Hat",
  "product_price" : 99,
  "product_material" : "Rubber",
  "product_color" : "black"
}
{
  "_id" : ObjectId("6448158807600df5a13a90ca"),
  "id" : "23",
  "product_name" : "Intelligent Steel Pizza",
  "product_price" : 95,
  "product_material" : "Cotton",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6448158807600df5a13a90cb"),
  "id" : "24",
  "product_name" : "Tasty Rubber Cheese",
  "product_price" : 47,
  "product_material" : "Frozen",
  "product_color" : "orchid"
}
{
  "_id" : ObjectId("6448158807600df5a13a90cc"),
  "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

Query:

```
db.products.find({$and:[{"product_price":{$gte:400}},{"product_price":{$lte:800}}]}).pretty();
```

output:

```
{
  "_id" : ObjectId("6446485dc9975ff491f3cefa"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefc"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefd"),
  "id" : "4",
  "product_name" : "Gorgeous Plastic Pants",
  "product_price" : 492,
  "product_material" : "Soft",
  "product_color" : "plum"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3ceff"),
  "id" : "6",
  "product_name" : "Awesome Wooden Towels",
  "product_price" : 474,
  "product_material" : "Plastic",
  "product_color" : "orange"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf00"),
  "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

Query:

```
db.products.find({$or:[{"product_price":{$lte:400}},{"product_price":{$gte:600}}]}).pretty();
```

output:

```
{
  "_id" : ObjectId("6446485dc9975ff491f3cefa"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefb"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefc"),
  "id" : "3",
  "product_name" : "Refined Steel Car",
  "product_price" : 690,
  "product_material" : "Rubber",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefe"),
  "id" : "5",
```

```
"product_name" : "Sleek Cotton Chair",
"product_price" : 33,
"product_material" : "Fresh",
"product_color" : "black"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf01"),
  "id" : "8",
  "product_name" : "Incredible Steel Hat",
  "product_price" : 78,
  "product_material" : "Rubber",
  "product_color" : "violet"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf02"),
  "id" : "9",
  "product_name" : "Awesome Wooden Ball",
  "product_price" : 28,
  "product_material" : "Soft",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf03"),
  "id" : "10",
  "product_name" : "Generic Wooden Pizza",
  "product_price" : 84,
  "product_material" : "Frozen",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf04"),
  "id" : "11",
  "product_name" : "Unbranded Wooden Cheese",
  "product_price" : 26,
  "product_material" : "Soft",
  "product_color" : "black"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf05"),
  "id" : "12",
  "product_name" : "Unbranded Plastic Salad",
  "product_price" : 89,
  "product_material" : "Wooden",
  "product_color" : "pink"
```



```
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf06"),
  "id" : "13",
  "product_name" : "Gorgeous Cotton Keyboard",
  "product_price" : 37,
  "product_material" : "Concrete",
  "product_color" : "sky blue"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf07"),
  "id" : "14",
  "product_name" : "Incredible Steel Shirt",
  "product_price" : 54,
  "product_material" : "Metal",
  "product_color" : "white"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf08"),
  "id" : "15",
  "product_name" : "Ergonomic Cotton Hat",
  "product_price" : 43,
  "product_material" : "Rubber",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf09"),
  "id" : "16",
  "product_name" : "Small Soft Chair",
  "product_price" : 47,
  "product_material" : "Cotton",
  "product_color" : "teal"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0a"),
  "id" : "17",
  "product_name" : "Incredible Metal Car",
  "product_price" : 36,
  "product_material" : "Fresh",
  "product_color" : "indigo"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0b"),
  "id" : "18",
```

```
"product_name" : "Licensed Plastic Bacon",
"product_price" : 88,
"product_material" : "Steel",
"product_color" : "yellow"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0c"),
  "id" : "19",
  "product_name" : "Intelligent Cotton Chips",
  "product_price" : 46,
  "product_material" : "Soft",
  "product_color" : "azure"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0d"),
  "id" : "20",
  "product_name" : "Handcrafted Wooden Bacon",
  "product_price" : 36,
  "product_material" : "Concrete",
  "product_color" : "lime"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0e"),
  "id" : "21",
  "product_name" : "Unbranded Granite Chicken",
  "product_price" : 90,
  "product_material" : "Metal",
  "product_color" : "gold"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0f"),
  "id" : "22",
  "product_name" : "Ergonomic Soft Hat",
  "product_price" : 99,
  "product_material" : "Rubber",
  "product_color" : "black"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf10"),
  "id" : "23",
  "product_name" : "Intelligent Steel Pizza",
  "product_price" : 95,
  "product_material" : "Cotton",
  "product_color" : "azure"
}
```

```

}
Type "it" for more
> it
{
  "_id" : ObjectId("6446485dc9975ff491f3cf11"),
  "id" : "24",
  "product_name" : "Tasty Rubber Cheese",
  "product_price" : 47,
  "product_material" : "Frozen",
  "product_color" : "orchid"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf12"),
  "id" : "25",
  "product_name" : "Licensed Steel Car",
  "product_price" : 20,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}

```

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

Query:

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

output:

```

{
  "_id" : ObjectId("6446485dc9975ff491f3cefa"),
  "id" : "1",
  "product_name" : "Intelligent Fresh Chips",
  "product_price" : 655,
  "product_material" : "Concrete",
  "product_color" : "mint green"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefb"),
  "id" : "2",
  "product_name" : "Practical Fresh Sausages",
  "product_price" : 911,
  "product_material" : "Cotton",
  "product_color" : "indigo"
}

```

```
{
  "_id" : ObjectId("6446485dc9975ff491f3cefc"),
  "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

Query:

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

output:

```
{
  "_id" : ObjectId("6448158807600df5a13a90b4"),
  "product_name" : "Intelligent Fresh Chips",
  "product_material" : "Concrete"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b5"),
  "product_name" : "Practical Fresh Sausages",
  "product_material" : "Cotton"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b6"),
  "product_name" : "Refined Steel Car",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b7"),
  "product_name" : "Gorgeous Plastic Pants",
  "product_material" : "Soft"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b8"),
  "product_name" : "Sleek Cotton Chair",
  "product_material" : "Fresh"
}
{
  "_id" : ObjectId("6448158807600df5a13a90b9"),
  "product_name" : "Awesome Wooden Towels",
```

```
    "product_material" : "Plastic"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90ba"),
    "product_name" : "Practical Soft Shoes",
    "product_material" : "Rubber"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90bb"),
    "product_name" : "Incredible Steel Hat",
    "product_material" : "Rubber"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90bc"),
    "product_name" : "Awesome Wooden Ball",
    "product_material" : "Soft"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90bd"),
    "product_name" : "Generic Wooden Pizza",
    "product_material" : "Frozen"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90be"),
    "product_name" : "Unbranded Wooden Cheese",
    "product_material" : "Soft"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90bf"),
    "product_name" : "Unbranded Plastic Salad",
    "product_material" : "Wooden"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c0"),
    "product_name" : "Gorgeous Cotton Keyboard",
    "product_material" : "Concrete"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c1"),
    "product_name" : "Incredible Steel Shirt",
    "product_material" : "Metal"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c2"),
```

```

    "product_name" : "Ergonomic Cotton Hat",
    "product_material" : "Rubber"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c3"),
    "product_name" : "Small Soft Chair",
    "product_material" : "Cotton"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c4"),
    "product_name" : "Incredible Metal Car",
    "product_material" : "Fresh"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c5"),
    "product_name" : "Licensed Plastic Bacon",
    "product_material" : "Steel"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c6"),
    "product_name" : "Intelligent Cotton Chips",
    "product_material" : "Soft"
  }
  {
    "_id" : ObjectId("6448158807600df5a13a90c7"),
    "product_name" : "Handcrafted Wooden Bacon",
    "product_material" : "Concrete"
  }
}
Type "it" for more
> it
{
  "_id" : ObjectId("6448158807600df5a13a90c8"),
  "product_name" : "Unbranded Granite Chicken",
  "product_material" : "Metal"
}
{
  "_id" : ObjectId("6448158807600df5a13a90c9"),
  "product_name" : "Ergonomic Soft Hat",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6448158807600df5a13a90ca"),
  "product_name" : "Intelligent Steel Pizza",
  "product_material" : "Cotton"
}

```

```

}
{
  "_id" : ObjectId("6448158807600df5a13a90cb"),
  "product_name" : "Tasty Rubber Cheese",
  "product_material" : "Frozen"
}
{
  "_id" : ObjectId("6448158807600df5a13a90cc"),
  "product_name" : "Licensed Steel Car",
  "product_material" : "Cotton"
}

```

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

Query:

**db.products.find({id:"10"}).pretty();**

output:

```

{
  "_id" : ObjectId("6446485dc9975ff491f3cf03"),
  "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.products.find({}, {product\_name:1, product\_material:1}).pretty();**

output:

```

{
  "_id" : ObjectId("6446485dc9975ff491f3cefa"),
  "product_name" : "Intelligent Fresh Chips",
  "product_material" : "Concrete"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefb"),
  "product_name" : "Practical Fresh Sausages",
  "product_material" : "Cotton"
}

```

```
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefc"),
  "product_name" : "Refined Steel Car",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefd"),
  "product_name" : "Gorgeous Plastic Pants",
  "product_material" : "Soft"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cefe"),
  "product_name" : "Sleek Cotton Chair",
  "product_material" : "Fresh"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3ceff"),
  "product_name" : "Awesome Wooden Towels",
  "product_material" : "Plastic"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf00"),
  "product_name" : "Practical Soft Shoes",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf01"),
  "product_name" : "Incredible Steel Hat",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf02"),
  "product_name" : "Awesome Wooden Ball",
  "product_material" : "Soft"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf03"),
  "product_name" : "Generic Wooden Pizza",
  "product_material" : "Frozen"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf04"),
  "product_name" : "Unbranded Wooden Cheese",
```



```
    "product_material" : "Soft"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf05"),
    "product_name" : "Unbranded Plastic Salad",
    "product_material" : "Wooden"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf06"),
    "product_name" : "Gorgeous Cotton Keyboard",
    "product_material" : "Concrete"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf07"),
    "product_name" : "Incredible Steel Shirt",
    "product_material" : "Metal"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf08"),
    "product_name" : "Ergonomic Cotton Hat",
    "product_material" : "Rubber"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf09"),
    "product_name" : "Small Soft Chair",
    "product_material" : "Cotton"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf0a"),
    "product_name" : "Incredible Metal Car",
    "product_material" : "Fresh"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf0b"),
    "product_name" : "Licensed Plastic Bacon",
    "product_material" : "Steel"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf0c"),
    "product_name" : "Intelligent Cotton Chips",
    "product_material" : "Soft"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf0d"),
```

```

    "product_name" : "Handcrafted Wooden Bacon",
    "product_material" : "Concrete"
  }
Type "it" for more
> it
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0e"),
  "product_name" : "Unbranded Granite Chicken",
  "product_material" : "Metal"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf0f"),
  "product_name" : "Ergonomic Soft Hat",
  "product_material" : "Rubber"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf10"),
  "product_name" : "Intelligent Steel Pizza",
  "product_material" : "Cotton"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf11"),
  "product_name" : "Tasty Rubber Cheese",
  "product_material" : "Frozen"
}
{
  "_id" : ObjectId("6446485dc9975ff491f3cf12"),
  "product_name" : "Licensed Steel Car",
  "product_material" : "Cotton"
}

```

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

Query:

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

output:

```

{
  "_id" : ObjectId("6446485dc9975ff491f3cefd"),
  "id" : "4",
  "product_name" : "Gorgeous Plastic Pants",

```

```

    "product_price" : 492,
    "product_material" : "Soft",
    "product_color" : "plum"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf02"),
    "id" : "9",
    "product_name" : "Awesome Wooden Ball",
    "product_price" : 28,
    "product_material" : "Soft",
    "product_color" : "azure"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf04"),
    "id" : "11",
    "product_name" : "Unbranded Wooden Cheese",
    "product_price" : 26,
    "product_material" : "Soft",
    "product_color" : "black"
  }
  {
    "_id" : ObjectId("6446485dc9975ff491f3cf0c"),
    "id" : "19",
    "product_name" : "Intelligent Cotton Chips",
    "product_price" : 46,
    "product_material" : "Soft",
    "product_color" : "azure"
  }
}

```

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

Query:

```

db.products.find({$and:[{product_color:"indigo"},{product_price:492}]}).pretty();

```

## 10.Delete the products whose product price value is the same.

Query:

```
var duplicates = [];
db.products.aggregate([
  { $match: { product_price: { "$ne":"" } } },
  { $group:{ _id:{product_price:"$product_price"},
  dups: { "$addToSet": "$_id" },
  count: { "$sum":1 } } },
  { $match: { count: { "$gt":1 } } }],
  {allowDiskUse:true}).forEach(function(doc) {
doc.dups.shift();
doc.dups.forEach( function(dupId){
duplicates.push(dupId);}))
printjson(duplicates);
db.products.remove({_id: {$in:duplicates}})
```

output:

```
var duplicates = [];
> db.products.aggregate([
... { $match: { product_price: { "$ne":"" } } },
... { $group:{ _id:{product_price:"$product_price"},
... dups: { "$addToSet": "$_id" },
... count: { "$sum":1 } } },
... { $match: { count: { "$gt":1 } } }],
... {allowDiskUse:true}).forEach(function(doc) {
... doc.dups.shift();
... doc.dups.forEach( function(dupId){
... duplicates.push(dupId);}))
> printjson(duplicates);
[
  ObjectId("6448158807600df5a13a90c3"),
  ObjectId("6448158807600df5a13a90c7")
]
> db.products.remove({_id: {$in:duplicates}})
WriteResult({ "nRemoved" : 2 })
> db.products.find()
```

```
{ "_id" : ObjectId("6448158807600df5a13a90b4"), "id" : "1", "product_name" : "Intelligent  
Fresh Chips", "product_price" : 655, "product_material" : "Concrete", "product_color" :  
"mint green" }  
{ "_id" : ObjectId("6448158807600df5a13a90b5"), "id" : "2", "product_name" : "Practical  
Fresh Sausages", "product_price" : 911, "product_material" : "Cotton", "product_color" :  
"indigo" }  
{ "_id" : ObjectId("6448158807600df5a13a90b6"), "id" : "3", "product_name" : "Refined  
Steel Car", "product_price" : 690, "product_material" : "Rubber", "product_color" : "gold" }  
{ "_id" : ObjectId("6448158807600df5a13a90b7"), "id" : "4", "product_name" : "Gorgeous  
Plastic Pants", "product_price" : 492, "product_material" : "Soft", "product_color" : "plum" }  
{ "_id" : ObjectId("6448158807600df5a13a90b8"), "id" : "5", "product_name" : "Sleek  
Cotton Chair", "product_price" : 33, "product_material" : "Fresh", "product_color" : "black"  
}  
{ "_id" : ObjectId("6448158807600df5a13a90b9"), "id" : "6", "product_name" : "Awesome  
Wooden Towels", "product_price" : 474, "product_material" : "Plastic", "product_color" :  
"orange" }  
{ "_id" : ObjectId("6448158807600df5a13a90ba"), "id" : "7", "product_name" : "Practical  
Soft Shoes", "product_price" : 500, "product_material" : "Rubber", "product_color" : "pink" }  
{ "_id" : ObjectId("6448158807600df5a13a90bb"), "id" : "8", "product_name" : "Incredible  
Steel Hat", "product_price" : 78, "product_material" : "Rubber", "product_color" : "violet" }  
{ "_id" : ObjectId("6448158807600df5a13a90bc"), "id" : "9", "product_name" : "Awesome  
Wooden Ball", "product_price" : 28, "product_material" : "Soft", "product_color" : "azure" }  
{ "_id" : ObjectId("6448158807600df5a13a90bd"), "id" : "10", "product_name" : "Generic  
Wooden Pizza", "product_price" : 84, "product_material" : "Frozen", "product_color" :  
"indigo" }  
{ "_id" : ObjectId("6448158807600df5a13a90be"), "id" : "11", "product_name" : "Unbranded  
Wooden Cheese", "product_price" : 26, "product_material" : "Soft", "product_color" : "black"  
}  
{ "_id" : ObjectId("6448158807600df5a13a90bf"), "id" : "12", "product_name" : "Unbranded  
Plastic Salad", "product_price" : 89, "product_material" : "Wooden", "product_color" : "pink"  
}  
{ "_id" : ObjectId("6448158807600df5a13a90c0"), "id" : "13", "product_name" : "Gorgeous  
Cotton Keyboard", "product_price" : 37, "product_material" : "Concrete", "product_color" :  
"sky blue" }  
{ "_id" : ObjectId("6448158807600df5a13a90c1"), "id" : "14", "product_name" : "Incredible  
Steel Shirt", "product_price" : 54, "product_material" : "Metal", "product_color" : "white" }  
{ "_id" : ObjectId("6448158807600df5a13a90c2"), "id" : "15", "product_name" : "Ergonomic  
Cotton Hat", "product_price" : 43, "product_material" : "Rubber", "product_color" : "mint  
green" }  
{ "_id" : ObjectId("6448158807600df5a13a90c4"), "id" : "17", "product_name" : "Incredible  
Metal Car", "product_price" : 36, "product_material" : "Fresh", "product_color" : "indigo" }  
{ "_id" : ObjectId("6448158807600df5a13a90c5"), "id" : "18", "product_name" : "Licensed  
Plastic Bacon", "product_price" : 88, "product_material" : "Steel", "product_color" : "yellow"  
}
```

```
{ "_id" : ObjectId("6448158807600df5a13a90c6"), "id" : "19", "product_name" : "Intelligent  
Cotton Chips", "product_price" : 46, "product_material" : "Soft", "product_color" : "azure" }  
{ "_id" : ObjectId("6448158807600df5a13a90c8"), "id" : "21", "product_name" : "Unbranded  
Granite Chicken", "product_price" : 90, "product_material" : "Metal", "product_color" :  
"gold" }  
{ "_id" : ObjectId("6448158807600df5a13a90c9"), "id" : "22", "product_name" : "Ergonomic  
Soft Hat", "product_price" : 99, "product_material" : "Rubber", "product_color" : "black" }  
Type "it" for more  
> it  
{ "_id" : ObjectId("6448158807600df5a13a90ca"), "id" : "23", "product_name" : "Intelligent  
Steel Pizza", "product_price" : 95, "product_material" : "Cotton", "product_color" : "azure" }  
{ "_id" : ObjectId("6448158807600df5a13a90cb"), "id" : "24", "product_name" : "Tasty  
Rubber Cheese", "product_price" : 47, "product_material" : "Frozen", "product_color" :  
"orchid" }  
{ "_id" : ObjectId("6448158807600df5a13a90cc"), "id" : "25", "product_name" : "Licensed  
Steel Car", "product_price" : 20, "product_material" : "Cotton", "product_color" : "indigo" }
```