//Create Table/Collection

db.createCollection("Product")

//Insert Data

db.Product.insertMany([{

"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"

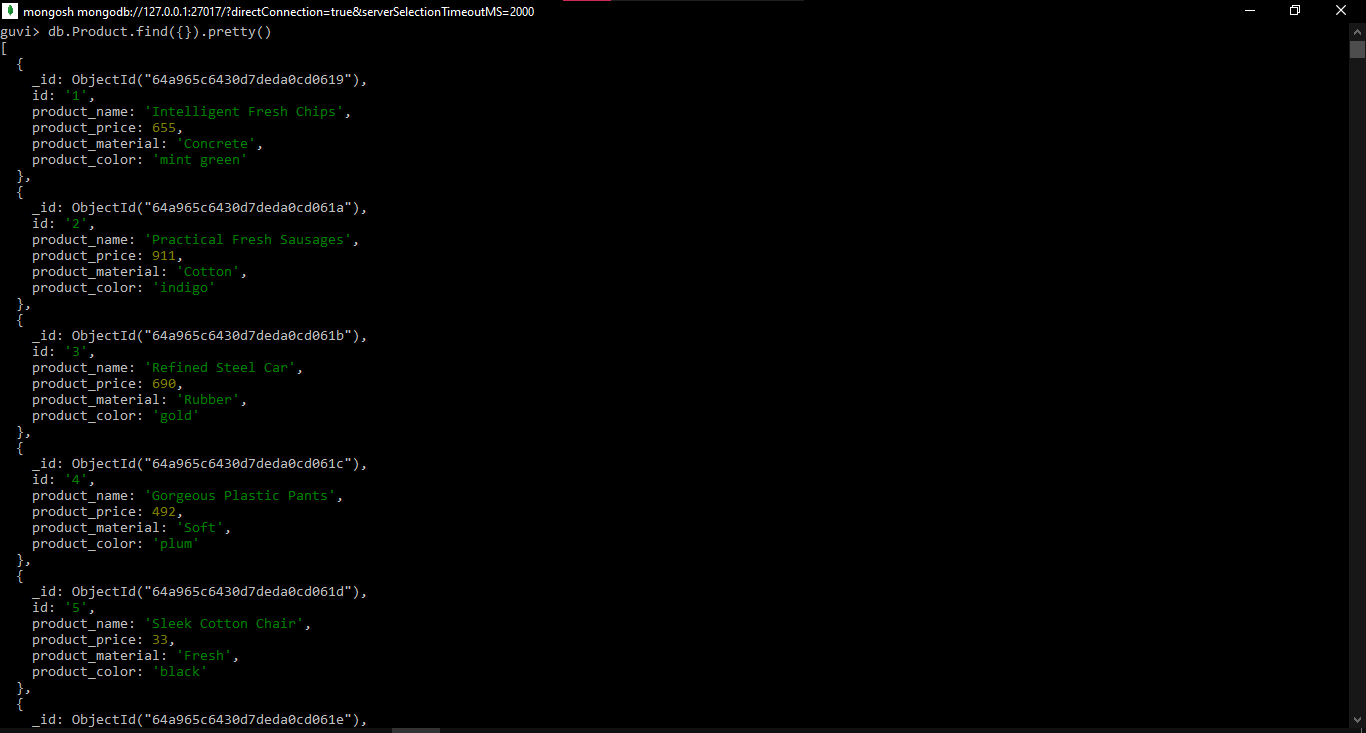
}

])

//Show data

//1. Find all the information about each product.

db.Product.find({}).pretty()



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

db.Product.find({product\_price:{$gt:400,$lt:800}})



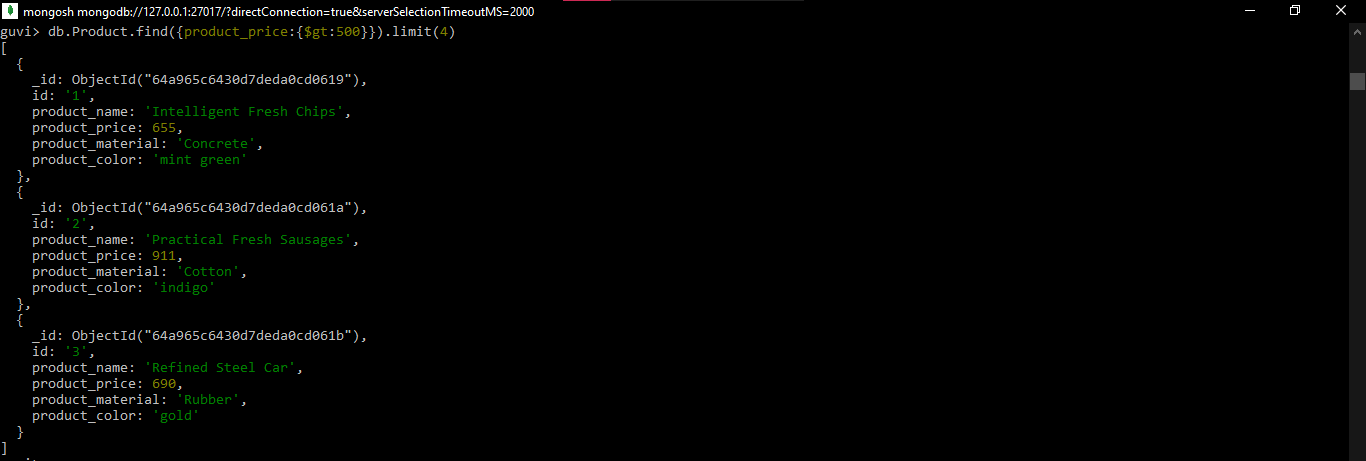
//3. Find the product price which are not between 400 to 600.

db.Product.find({product\_price:{$not:{$gt:400,$lt:600}}})



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

db.Product.find({product\_price:{$gt:500}}).limit(4)



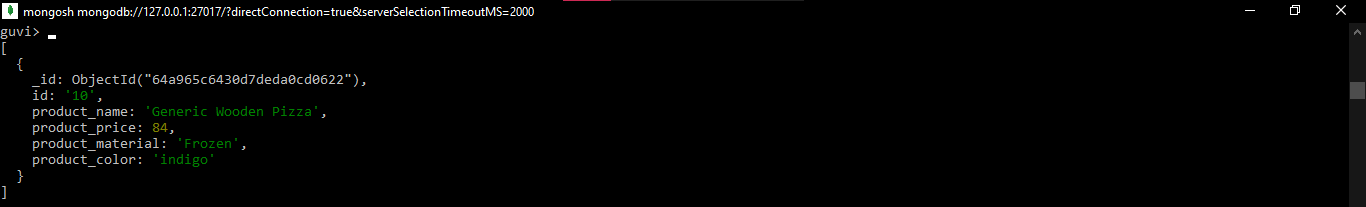
//5. Find the product name and product material of each product.

db.Product.find({},{product\_name:1,product\_material:1})



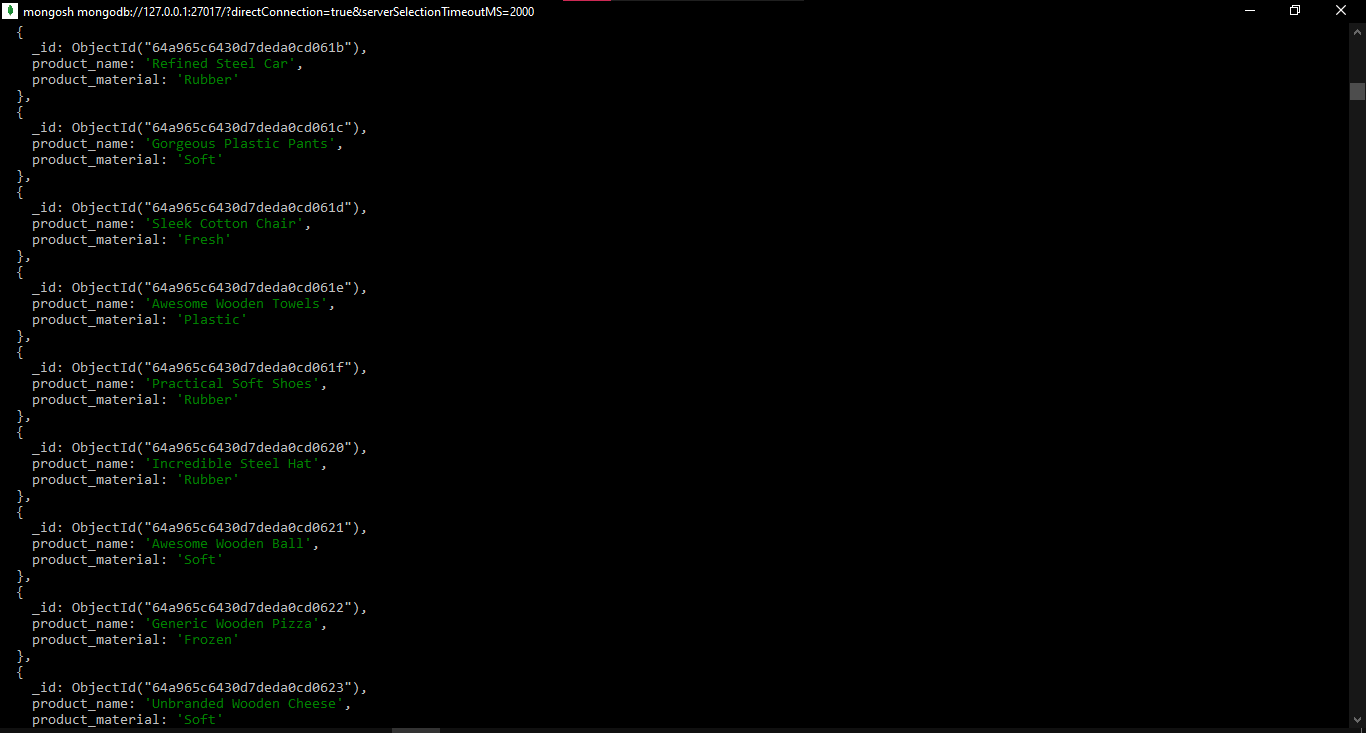
//6. Find the product with a row id of 10.

db.Product.find({id:"10"})



//7. Find only the product name and product material.

db.Product.find({},{product\_name:1,product\_material:1})



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

db.Product.find({product\_material:"Soft"})



//9. Find products which contain product colour indigo and product price 492.00.

db.Product.find({$and:[{product\_color:"indigo"},{product\_price:"492"}]})

//10. Delete the products which product price value are same

db.Product.aggregate([

{$group:{

\_id:"$product\_price",

count:{$sum: 1}

}},

{ $match: {count:{$gt: 1}}}

]).forEach((doc) => {db.products.remove({ product\_price: doc.\_id })})