db.createCollection("productDetails");

db.productDetails.drop();

db.productDetails.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"

}

]

);

db.productDetails.find();

1. Find all the information about each products

**db.productDetails.find();**

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

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

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

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

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

**db.productDetails.find({product\_price:{$gte:500}}).limit(4)**

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

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

6. Find the product with a row id of 10

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

7. Find only the product name and product material

**db.productDetails.find({},{product\_name:1,product\_material:1,\_id:0})**

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

**db.productDetails.find({product\_material:"Soft"});**

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

**db.productDetails.find({ $or : [ {product\_color : 'indigo'}, {product\_price : 492.00} ] });**

10. Delete the products which product price value are same

**var duplicates = [];**

**db.productDetails.aggregate([**

**{ $group: {**

**\_id: { product\_price: "$product\_price"},**

**dups: { "$addToSet": "$\_id" },**

**count: { "$sum": 1 }**

**}},**

**{ $match: {**

**count: { "$gt": 1 }**

**}}**

**],**

**)**

**.forEach(function(doc) {**

**doc.dups.forEach( function(dupId){**

**duplicates.push(dupId);**

**}**

**)**

**})**

**printjson(duplicates);**

**db.productDetails.remove({\_id:{$in:duplicates}})**

**db.productDetails.find();**