db.task.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"

}

])

**1. Find all the information about each products**

db.task.find()

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

db.task.find({product\_price:{$gte:400,$lte:800}})

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

db.task.find({product\_price:{$not:{$gte:400,$lte:800}}})

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

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

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

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

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

db.task.findOne({id:'10'})

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

db.task.findOne({},{product\_name:1,product\_material:1})

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

db.task.find({product\_material:{$regex:/Soft/}})

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

db.task.find({$and:[{product\_color:{$regex:/indigo/}},{product\_price:{$eq:492.00}}]})

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

db.task.aggregate([

{ $group: { \_id: { price: "$product\_price" }, count: { $sum: 1 }, ids: { $push: "$\_id" } } },

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

{ $project: { ids: { $slice: ["$ids", 1, { $size: "$ids" }] } } },

{ $unwind: "$ids" },

{ $replaceRoot: { newRoot: { \_id: "$ids" } } },

{ $out: "products" }

])