

MongoDB - TASK1

ProductJSON

```
[
  {
    "id":"1",
    "product_name":"IntelligentFreshChips",
    "product_price": 655.00, "product_material":
    "Concrete", "product_color": "mint green"
  },
  {
    "id":"2",
    "product_name":"PracticalFreshSausages",
    "product_price": 911.0,
    "product_material":"Cotton", "product_color":
    "indigo"
  },
  {
    "id":"3",
    "product_name":"RefinedSteelCar",
    "product_price": 690.00, "product_material":
    "Rubber", "product_color": "gold"
  },
  {
    "id":"4",
    "product_name":"GorgeousPlasticPants",
    "product_price": 492.00, "product_material":
    "Soft",
    "product_color":"plum"
  },
  {
    "id":"5",
    "product_name":"SleekCottonChair",
    "product_price": 33.00, "product_material":
    "Fresh", "product_color": "black"
  }
]
```

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},
{
  "id":"6",
  "product_name":"AwesomeWoodenTowels",
  "product_price": 474.00,
  "product_material":"Plastic", "product_color":
  "orange"
},
{
  "id":"7",
  "product_name":"PracticalSoftShoes",
  "product_price": 500.00, "product_material":
  "Rubber", "product_color": "pink"
},
{
  "id":"8",
  "product_name":"IncredibleSteelHat",
  "product_price": 78.00, "product_material":
  "Rubber", "product_color": "violet"
},
{
  "id":"9",
  "product_name":"AwesomeWoodenBall",
  "product_price": 28.00,
  "product_material":"Soft", "product_color":
  "azure"
},
{
  "id":"10",
  "product_name":"GenericWoodenPizza",
  "product_price": 84.00,
  "product_material":"Frozen", "product_color":
  "indigo"
},
{
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"id": "11",
"product_name": "UnbrandedWoodenCheese",
"product_price": 26.00,
"product_material": "Soft", "product_color":
"black"
},
{
  "id": "12",
  "product_name": "UnbrandedPlasticSalad",
  "product_price": 89.00,
  "product_material": "Wooden",
  "product_color": "pink"
},
{
  "id": "13",
  "product_name": "GorgeousCottonKeyboard",      "product_price":
37.00,
  "product_material": "Concrete",
  "product_color": "sky blue"
},
{
  "id": "14",
  "product_name": "IncredibleSteelShirt",
  "product_price": 54.00, "product_material":
"Metal", "product_color": "white"
},
{
  "id": "15",
  "product_name": "ErgonomicCottonHat",
  "product_price": 43.00, "product_material":
"Rubber", "product_color": "mint green"
},
{
  "id": "16",
  "product_name": "SmallSoftChair",
```

```
"product_price": 47.00,
"product_material": "Cotton",
"product_color": "teal"
},
{
  "id": "17",
  "product_name": "IncredibleMetalCar",
  "product_price": 36.00, "product_material":
  "Fresh", "product_color": "indigo"
},
{
  "id": "18",
  "product_name": "LicensedPlasticBacon",
  "product_price": 88.00,
  "product_material": "Steel", "product_color":
  "yellow"
},
{
  "id": "19",
  "product_name": "IntelligentCottonChips",
  "product_price": 46.00,
  "product_material": "Soft", "product_color":
  "azure"
},
{
  "id": "20",
  "product_name": "HandcraftedWoodenBacon", "product_price":
  36.00,
  "product_material": "Concrete",
  "product_color": "lime"
},
{
  "id": "21",
  "product_name": "UnbrandedGraniteChicken", "product_price":
  90.00,
  "product_material": "Metal",
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    "product_color":"gold"
  },
  {
    "id":"22",
    "product_name":"ErgonomicSoftHat",
    "product_price": 99.00, "product_material":
    "Rubber", "product_color": "black"
  },
  {
    "id":"23",
    "product_name":"IntelligentSteelPizza",
    "product_price": 95.00, "product_material":
    "Cotton", "product_color": "azure"
  },
  {
    "id":"24",
    "product_name":"TastyRubberCheese",
    "product_price":47.00,"product_material":
    "Frozen", "product_color": "orchid"
  },
  {
    "id":"25",
    "product_name":"LicensedSteelCar",
    "product_price":20.00,  "product_material":
    "Cotton", "product_color": "indigo"
  }
]

```

Q1.Find all the information about each products

*Query:*db.products.find()

Q2.Find the product price which are between 400to800

*Query:*db.products.find({product_price:{\$gt:400,\$lt:800}})

Q3.Find the product price which are not between 400 to 600

Query: db.products.find({ \$or: [{ product_price: { \$lt: 400 } }, { product_price: { \$gte: 600 } }] })

Q4.List the four product which are greater than 500 in price

*Query:*db.products.find({ product_price: { \$gt: 500 } }).sort({ product_price: 1 }).limit(4)

Q5.Find the product name and product material of each products

*Query:*db.products.find({}, {product_name:1,product_material:1,_id:0})

Q6.Find the product with a row id of 10

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

Q7.Find only the product name and product material

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

Q8.Find all products which contain the value of soft in product material

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

Q9.Find products which contain product color indigo and productprice 492.00?

Query: db.products.find({ \$and: [{ product_color: "indigo" }, { product_price: 492.00 }] })

Q10.Deletethe products which product price value are same

*Query:*db.products.deleteMany({product_price:{ \$eq:'\$product_price'}})