1. **Find all the information about each product**:

db.product\_details.find({})

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

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

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

db.product\_details.find({ product\_price: { $not: { $gte: 400, $lte: 600 } } })

1. **List the four products which are greater than 500 in price**:

Db.product\_details.find({ product\_price: { $gt: 500 } }).limit(4)

1. **Find the product name and product material of each product**:

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

1. **Find the product with a row id of 10**:

db.product\_details.findOne({ \_id: 10 })

1. **Find only the product name and product material**:

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

1. **Find all products which contain the value of "soft" in product material**:

db.product\_details.find({ product\_material: /soft/i })

1. **Find products which contain product color "indigo" and product price 492.00**:

db.product\_details.find({ product\_color: "indigo", product\_price: 492.00 })

1. **Delete the products which product price values are the same**:

db.product\_details.aggregate([

{

$group: {

\_id: "$product\_price",

count: { $sum: 1 },

products: { $push: "$\_id" }

}

},

{

$match: {

count: { $gt: 1 }

}

}

]).forEach(function(doc) {

// Keep the first product and remove the rest

doc.products.shift();

db.product\_details.deleteMany({ \_id: { $in: doc.products } });

});