**For the following question write the corresponding MongoDB queries:**

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

**Solution: db.products.find({})**

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

**Solution: db.products.find({ "product\_price": { $gte: 400, $lte: 800 } })**

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

**Solution: db.products.find({ "product\_price": { $not: { $gte: 400, $lte: 600 } } })**

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

**Solution: db.products.find({ "product\_price": { $gt: 500 } }).limit(4)**

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

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

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

**Solution: db.products.findOne({ "id": "10" })**

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

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

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

**Solution: db.products.find({ "product\_material": { $regex: /soft/i } })**

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

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

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

**Solution: db.product.aggregate([**

**{**

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

**},**

**{**

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

**},**

**{**

**$unwind: "$ids"**

**}**

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

**db.Product.deleteOne({ids: doc.ids.objectId})**

**})**