MongoDB queries

1. Find all the information about each products

   Ans: db.products.find().toArray()

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

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

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

   Ans: db.products.find({ product_price:{ $not: {$gt: 400, $lt: 600}}})

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

   Ans: db.products.find({ product_price:{$gt: 500}}).limit(5)

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

   Ans: db.products.find().map(function(e){
           return {
           Product_Name: e.product_name,
           Product_Material: e.product_material,
           }
         }).toArray()

6. Find the product with a row id of 10

   Ans: db.products.find({id:'10'})

7. Find only the product name and product material

   Ans: db.products.find().map(function(e){
           return (e.product_name + " --- " + e.product_material)
         })

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

    Ans: db.products.find({product_material: {$eq : 'Soft'}})

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

    Ans: db.products.find({$or : [
                { product_color: {$eq: 'Indigo '} },
                { product_price: {$eq: 492.00 } }
         ]}).toArray()

10. Delete the products which product price value are same

    Ans: db.products.aggregate(
            [
             {
               $group: {
                 _id: "$username",
                 duplicate: { $push: "$_id" },
                 count: { $sum: 1 },
               },
             },
             { $match: { count: { $gt: 1 } } },
            ],
            { allowDiskUse: true }
)
          .forEach(function (doc) {
            doc.duplicate.shift();
            db.products.deleteMany({ _id: { $in: doc.duplicate } });
          });