Mongo DB Exercise

use orderDB

db.products.insertMany([
{ product_id: 101, name: "Laptop", category: "Electronics", price: 55000, stock: 10 },
{ product_id: 102, name: "Mouse", category: "Electronics", price: 700, stock: 50 },
{ product_id: 103, name: "Office Chair", category: "Furniture", price: 4500, stock: 5 },
{ product_id: 104, name: "Notebook", category: "Stationery", price: 50, stock: 300 },
{ product_id: 105, name: "Water Bottle", category: "Kitchen", price: 250, stock: 100 }
])

1. Find all products that are not in the 'Electronics' category.

db.products.find({ category: { $ne :"Electronics"} })

2. Get all products where price is greater than 1,000.

db.products.find({ price: { $gt: 1000} })

3. Find products that have stock less than 50.

db.products.find({ stock: { $lt: 50} })

4. List products whose category is either 'Furniture' or 'Kitchen'.

db.products.find({ category: { $in: ["Furniture", "Kitchen"] } })

5. Get products with stock between 10 and 100.

db.products.find({ stock: { $gte: 10, $lte: 100 } })

6. Find all products where price is not 700.

db.products.find({ price: { $ne: 700 } })

7. Display all products whose name starts with 'N'.

db.products.find({ name: { $regex: "^N" } })

8. Find all products whose stock is not more than 5.

db.products.find({ stock: { $lte: 5 } })

9. List products with category not in ['Stationery', 'Kitchen']

db.products.find({ category: { $nin: ['Stationery', 'Kitchen'] } })

10. Find one product not in the 'Furniture' category

db.products.findOne({ category: { $ne: 'Furniture' } })