# MongoDB Assignment – Exercise

## **Create and Insert Data into products**

use companyDB

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 }

])

## **Queries to Practise**

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({ product\_name: { $regex: /^N/, $options: 'i' } })

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

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