

DAY -2

Exercise: products Collection

Step 1: Create and Insert Data into products

```
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 : 'Stationary', price : 50, stock : 300},
  {product_id : 105, name : 'Water Bottle', category : 'Kitchen', price : 250, stock : 100}
])
```

Queries to Practice

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:{$gte:1000}})
```

3. Find products that have stock less than 50.

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