

MONGODB ASSIGNMENT - 02

▮ Exercise: products Collection

▮ Step 1: 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 Practice

1. Find all products that are not in the 'Electronics' category.
 2. Get all products where price is greater than ₹1,000.
 3. Find products that have stock less than 50.
 4. List products whose category is either 'Furniture' or 'Kitchen'.
 5. Get products with stock between 10 and 100.
 6. Find all products where price is not ₹700.
 7. Display all products whose name starts with 'N'.
 8. Find all products whose stock is not more than 5.
 9. List products with category not in ['Stationery', 'Kitchen'].
 10. Find one product not in the 'Furniture' category.
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1.Products not in 'Electronics' category

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

2. Products where price > 1000

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

3. Products with stock < 50

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

4. Category is either 'Furniture' or 'Kitchen'

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

5. Stock between 10 and 100

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

6. Products where price is not 700

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

7. Products whose name starts with 'N'

```
db.products.find({ name: /^N/ })
```

8. Products where stock is not more than 5

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

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

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

10. Find one product not in 'Furniture' category

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