**Lab 5: Retrieving Data from the Database**

**Scenario:**

The store wants to display product details on the dashboard.

**Objective:**

Use Find, FirstOrDefault, and ToListAsync to retrieve data.

**Steps:**

**1. Retrieve All Products:**

var products = await context.Products.ToListAsync();

foreach (var p in products)

Console.WriteLine($"{p.Name} - ₹{p.Price}");

**2. Find by ID:**

var product = await context.Products.FindAsync(1);

Console.WriteLine($"Found: {product?.Name}");

**3. FirstOrDefault with Condition:**var expensive = await context.Products.FirstOrDefaultAsync(p => p.Price > 5000

0);

Console.WriteLine($"Expensive: {expensive?.Name}")

Output:

Using Database: RetailStoreDb

All Products:

Laptop - Electronics - Rs.75000.00

Rice Bag - Groceries - Rs.1200.00

Find by ID (Product with ID = 1):

Found: Laptop

First Product with Price > Rs.50,000:

Expensive: Laptop

C:\Users\KIIT\OneDrive\Desktop\Digital-Nurture-4.0-DotNetFSE-main\Solution\week-3\lab5\bin\Debug\net8.0\lab5.exe (process 21092) exited with code 0 (0x0).

To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.