**Lab 7: Writing Queries with LINQ**

**Scenario:**

The store wants to filter and sort products for reporting.

**Objective:**

Use Where, Select, OrderBy, and project into DTOs.

**Steps:**

**1. Filter and Sort:**var filtered = await context.Products

.Where(p => p.Price > 1000)

.OrderByDescending(p => p.Price)

.ToListAsync();

**2. Project into DTO:**

var productDTOs = await context.Products

.Select(p => new { p.Name, p.Price })

.ToListAsync()

Output:

Filtered & Sorted Products (Price > 1000):

Laptop - Electronics - Rs.75000.00

Laptop - Electronics - Rs.70000.00

Rice Bag - Groceries - Rs.1200.00

Product DTOs (Name and Price only):

Laptop - Rs.70000.00

Laptop - Rs.75000.00

Rice Bag - Rs.1200.00

C:\Users\KIIT\OneDrive\Desktop\Digital-Nurture-4.0-DotNetFSE-main\Solution\week-3\lab7\bin\Debug\net8.0\lab7.exe (process 25948) exited with code 0 (0x0).

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

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