**Lab 7: Writing Queries with LINQ**

1. **Filter and Sort:**

var filtered = await context.Products

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

.OrderByDescending(p => p.Price)

.ToListAsync();

var filtered = await context.Products

    .Where(p => p.Price > 1000)

    .OrderByDescending(p => p.Price)

    .ToListAsync();

Console.WriteLine("Filtered and Sorted Products:");

foreach (var p in filtered)

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

**2. Project into DTO:**

var productDTOs = await context.Products

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

.ToListAsync();

var productDTOs = await context.Products

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

    .ToListAsync();

Console.WriteLine("\nProjected DTOs:");

foreach (var dto in productDTOs)

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

**Output:**



