**WEEK – 3 Assignments**

**Entity Framework Core 8. 0**

**Mandatory hands-on :-**

**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.

**1. Retrieve All Products:**

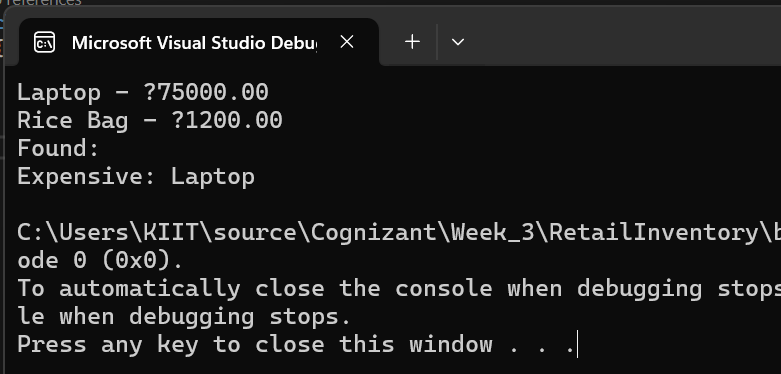
**2. Find by ID :**

**3. FirstOrDefault with Condition:**

[**Program.cs**](http://program.cs) **:**

| **using Microsoft.EntityFrameworkCore; using System; using System.Threading.Tasks;  class Program {  static async Task Main(string[] args)  {  using var context = new AppDbContext();   // Insert initial data  var electronics = new Category { Name = "Electronics" };  var groceries = new Category { Name = "Groceries" };  await context.Categories.AddRangeAsync(electronics, groceries);   var product1 = new Product { Name = "Laptop", Price = 75000, Category = electronics };  var product2 = new Product { Name = "Rice Bag", Price = 1200, Category = groceries };  await context.Products.AddRangeAsync(product1, product2);   await context.SaveChangesAsync();   // Retrieve and display data  var products = await context.Products.ToListAsync();  foreach (var p in products)  Console.WriteLine($"{p.Name} - ₹{p.Price}");   var product = await context.Products.FindAsync(1);  Console.WriteLine($"Found: {product?.Name}");   var expensive = await context.Products.FirstOrDefaultAsync(p => p.Price > 50000);  Console.WriteLine($"Expensive: {expensive?.Name}");  } }** |
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**OUTPUT :**

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