**Lab 5**

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

**All Products**

**Code:**

using System;

using System.Threading.Tasks;

using Microsoft.EntityFrameworkCore;

using RetailInventory.Data;

using RetailInventory.Models;

class Program

{

static async Task Main(string[] args)

{

using var context = new AppDbContext();

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

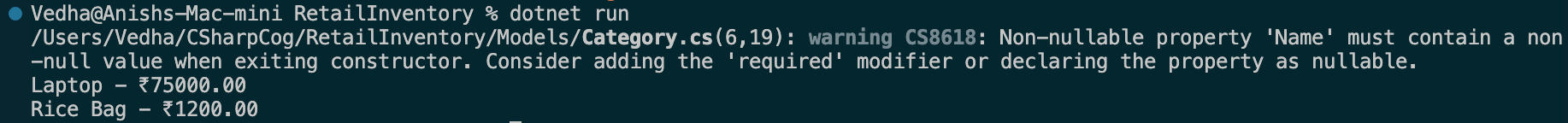
foreach (var p in products)

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

}

}

**Output:**



**Find by ID**

**Code:**

using System;

using System.Threading.Tasks;

using Microsoft.EntityFrameworkCore;

using RetailInventory;

using RetailInventory.Models;

class Program

{

static async Task Main(string[] args)

{

using var context = new AppDbContext();

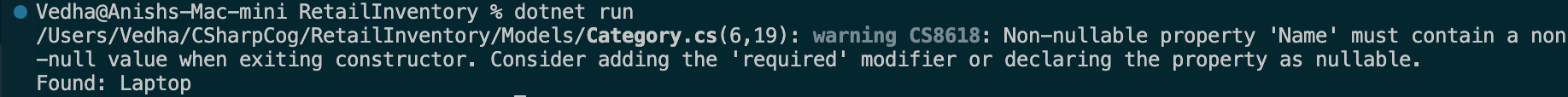
var product = await context.Products.FindAsync(1);

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

}

}

**Output:**



**First or default with condition**

**Code:**

using System;

using System.Threading.Tasks;

using Microsoft.EntityFrameworkCore;

using RetailInventory.Data;

using RetailInventory.Models;

class Program

{

static async Task Main(string[] args)

{

using var context = new AppDbContext();

var expensive = await context.Products.FirstOrDefaultAsync(p => p.Price > 50000);

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

}

}

**Output:**

