using System;

using System.Collections.Generic;

public class Category

{

public int Id { get; set; }

public string Name { get; set; }

public List<Product> Products { get; set; } = new List<Product>();

}

public class Product

{

public int Id { get; set; }

public string Name { get; set; }

public decimal Price { get; set; }

public int CategoryId { get; set; }

public Category Category { get; set; }

}

public class Program

{

public static void Main()

{

var categories = new List<Category>();

var products = new List<Product>();

// Insert sample data

var electronics = new Category { Id = 1, Name = "Electronics" };

var groceries = new Category { Id = 2, Name = "Groceries" };

categories.Add(electronics);

categories.Add(groceries);

var product1 = new Product { Id = 1, Name = "Laptop", Price = 75000, CategoryId = electronics.Id, Category = electronics };

var product2 = new Product { Id = 2, Name = "Rice Bag", Price = 1200, CategoryId = groceries.Id, Category = groceries };

products.Add(product1);

products.Add(product2);

// Output to confirm setup

Console.WriteLine("Lab 1 & 2: ORM Simulation - Product List");

foreach (var p in products)

{

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

}

}

}

