**Lab 1: Understanding ORM with a Retail Inventory System**

using RetailInventorySystem.Models;

using System;

using System.Linq;

class Program

{

static void Main()

{

using var context = new RetailContext();

// Ensure database is created

context.Database.EnsureCreated();

// Seed data only if Products table is empty

if (!context.Products.Any())

{

var products = new[]

{

new Product { Name = "Laptop", Quantity = 10, Price = 75000 },

new Product { Name = "Mouse", Quantity = 50, Price = 700 },

new Product { Name = "Keyboard", Quantity = 30, Price = 1500 },

new Product { Name = "Monitor", Quantity = 15, Price = 12000 }

};

context.Products.AddRange(products);

context.SaveChanges();

Console.WriteLine("✅ Initial products added to database.\n");

}

// Retrieve and display all products

Console.WriteLine("📦 Product Inventory:\n");

var productList = context.Products.ToList();

foreach (var product in productList)

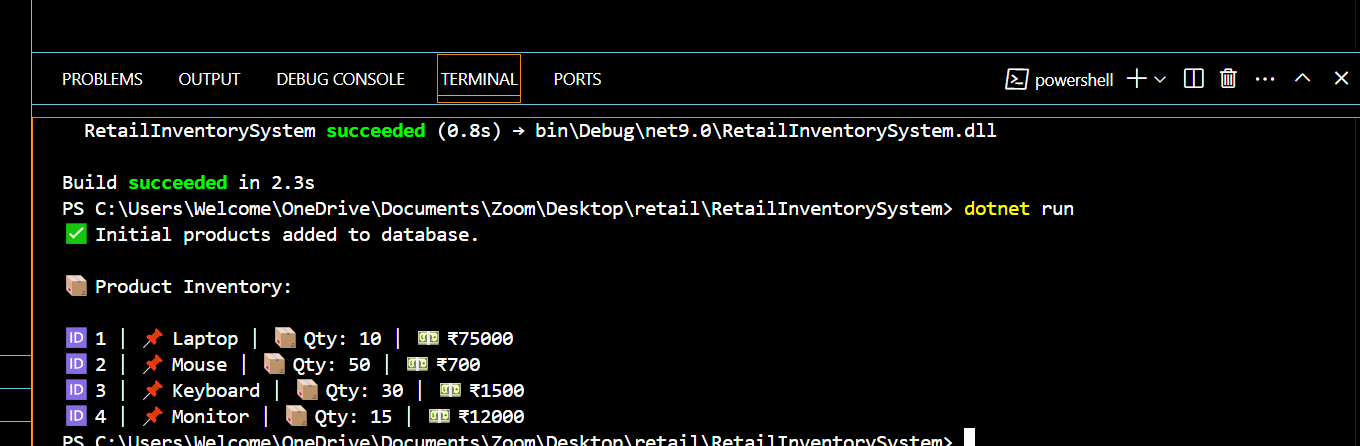
{

Console.WriteLine($"🆔 {product.ProductId} | 📌 {product.Name} | 📦 Qty: {product.Quantity} | 💵 ₹{product.Price}");

}

}

}

**Output**