EF Core 8.0 Guided Hands-On Exercises

Lab 3: Using EF Core CLI to Create and Apply Migrations

CODE:

using System;

using System.Collections.Generic;

using Microsoft.EntityFrameworkCore;

namespace RetailInventoryContextApp

{

    public class Product

    {

        public int ProductId { get; set; }

        public string? Name { get; set; }

        public int Quantity { get; set; }

        public int CategoryId { get; set; }

        public Category? Category { get; set; }

    }

    public class Category

    {

        public int CategoryId { get; set; }

        public string? CategoryName { get; set; }

        public ICollection<Product>? Products { get; set; }

    }

    public class RetailInventoryContext : DbContext

    {

        public DbSet<Product> Products { get; set; } = null!;

        public DbSet<Category> Categories { get; set; } = null!;

        protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

        {

            // Add your LocalDB v11.0 connection string here

            optionsBuilder.UseSqlServer(@"Server=(localdb)\v11.0;Database=RetailInventoryDb;Trusted\_Connection=True;");

        }

    }

    class Program

    {

        static void Main(string[] args)

        {

            Console.WriteLine("Retail Inventory System");

            using (var context = new RetailInventoryContext())

            {

                context.Database.EnsureCreated();

                Console.WriteLine("Connected to the database successfully.");

            }

        }

    }

}

OUTPUT:

Retail Inventory System

Connected to the database successfully.

ScreenaShots:



