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

// Required NuGet Packages:

// - Microsoft.EntityFrameworkCore

// - Microsoft.EntityFrameworkCore.Sqlite

// - Microsoft.EntityFrameworkCore.Tools

using System;

using System.Collections.Generic;

using Microsoft.EntityFrameworkCore;

namespace RetailInventoryApp

{

// Model: Category

public class Category

{

public int CategoryId { get; set; }

public string Name { get; set; }

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

}

// Model: Product

public class Product

{

public int ProductId { get; set; }

public string Name { get; set; }

public int Quantity { get; set; }

// Foreign Key

public int CategoryId { get; set; }

public Category Category { get; set; }

}

// DbContext

public class RetailDbContext : DbContext

{

public DbSet<Category> Categories { get; set; }

public DbSet<Product> Products { get; set; }

protected override void OnConfiguring(DbContextOptionsBuilder options)

{

options.UseSqlite("Data Source=retail.db");

}

}

class Program

{

static void Main(string[] args)

{

Console.WriteLine("Retail Inventory System - EF Core CLI Migration Ready!");

}

}

}

Out Put:

