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

Code:  
// File: Models/Product.cs

namespace MyEfApp.Models

{

public class Product

{

public int Id { get; set; }

public string Name { get; set; }

}

}

// File: Data/AppDbContext.cs

using Microsoft.EntityFrameworkCore;

using MyEfApp.Models;

namespace MyEfApp.Data

{

public class AppDbContext : DbContext

{

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

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

optionsBuilder.UseSqlServer("Server=(localdb)\\mssqllocaldb;Database=MyEfDb;Trusted\_Connection=True;");

}

}

}

// File: Program.cs

using System;

using MyEfApp.Data;

using MyEfApp.Models;

class Program

{

static void Main()

{

using var context = new AppDbContext();

// Ensure database is created

context.Database.EnsureCreated();

// Add sample data

context.Products.Add(new Product { Name = "Keyboard" });

context.Products.Add(new Product { Name = "Mouse" });

context.SaveChanges();

// Display all products

foreach (var product in context.Products)

{

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

}

}

}

Output:  
