EF Core 8.0 HOL

Lab 4: Inserting Initial Data into the Database

Program.cs

using System;

using System.Linq;

class Program

{

static void Main(string[] args)

{

using var context = new AppDbContext();

// Ensure database is created

context.Database.EnsureCreated();

// Insert initial data only if not already present

if (!context.Categories.Any())

{

var electronics = new Category { Name = "Electronics" };

var groceries = new Category { Name = "Groceries" };

context.Categories.AddRange(electronics, groceries);

context.Products.AddRange(

new Product { Name = "Laptop", Price = 59999.99m, Category = electronics },

new Product { Name = "Smartphone", Price = 19999.99m, Category = electronics },

new Product { Name = "Rice", Price = 450.00m, Category = groceries },

new Product { Name = "Milk", Price = 60.00m, Category = groceries }

);

context.SaveChanges();

Console.WriteLine("✅ Initial data inserted into the database.");

}

else

{

Console.WriteLine("ℹ️ Database already contains data.");

}

// Display data

Console.WriteLine("\n📦 Products in database:");

foreach (var product in context.Products)

{

Console.WriteLine($"- {product.Name} | ₹{product.Price}");

}

}

}

**OUTPUT:**

