**Lab 4: Inserting Initial Data into the Database.**

**Scenario: The store manager wants to add initial product categories and products to the system.**

**Objective: Use EF Core to insert records using AddAsync and SaveChangesAsync.**

**Code Snippet (Program.cs)**

using System;

using System.Threading.Tasks;

using Microsoft.EntityFrameworkCore;

namespace RetailInventory

{

class Program

{

static async Task Main(string[] args)

{

using var context = new AppDbContext();

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

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

await context.Categories.AddRangeAsync(electronics, groceries);

var product1 = new Product { Name = "Laptop", Price = 75000, Category = electronics };

var product2 = new Product { Name = "Rice Bag", Price = 1200, Category = groceries };

await context.Products.AddRangeAsync(product1, product2);

await context.SaveChangesAsync();

Console.WriteLine("Initial data inserted successfully!");

}

}

}

**Steps Performed**

1. Created categories and products objects in Program.cs.
2. Used AddRangeAsync() to add data.
3. Called SaveChangesAsync() to commit data to the database.
4. Ran the application using dotnet run.
5. Opened SQL Server Management Studio to verify data in Categories and Products tables.

**OUTPUT :**

