**LAB 2: Setting Up the Database Context For**

**RetailStore.**

**Objective:**Configure DbContext and Connect to SQL Server.

**Create Models:**

**Category.cs:**

using System.Collections.Generic;

namespace RetailInventory.Models

{

public class Category

{

public int Id { get; set; }

public string? Name { get; set; }

public List<Product>? Products { get; set; } // Navigation property

}

}

**Product.cs:**

namespace RetailInventory.Models

{

public class Product

{

public int Id { get; set; }

public string? Name { get; set; }

public decimal Price { get; set; }

public int CategoryId { get; set; } // Foreign key

public Category? Category { get; set; } // Navigation property

}

}

**CreateAPPDbContext:**

using Microsoft.EntityFrameworkCore;

using RetailInventory.Models;

namespace RetailInventory

{

public class AppDbContext : DbContext

{

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

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

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

// Replace this with your actual connection string

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

}

}

}

**OUTPUT:**

