**Lab 2: Setting Up the Database Context for a Retail Store**

Scenario:

The retail store wants to store product and category data in SQL Server.

Objective:

Configure DbContext and connect to SQL Server.

Code:

1. Model.cs

using System;

namespace RetailInventory

{

public class Category

{

public int Id { get; set; }

public string? Name { get; set; }

}

public class Product

{

public int Id { get; set; }

public string? Name { get; set; }

public decimal Price { get; set; }

public int CategoryId { get; set; }

public Category? Category { get; set; }

}

}

1. AppDbContext.cs

using Microsoft.EntityFrameworkCore;

namespace RetailInventory

{

public class AppDbContext : DbContext

{

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

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

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)

{

optionsBuilder.UseSqlServer("Server=DEBOSMITA;Database=RetailInventoryDB;Trusted\_Connection=True;TrustServerCertificate=True;");

}

}

}