**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.

**Steps:**

**1. Create Models:**

public class Category {

public int Id { get; set; }

public string Name { get; set; }

public List Products { 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; }

}

**2. Create AppDbContext:**

public class AppDbContext : DbContext {

public DbSet Products { get; set; }

public DbSet Categories { get; set; }

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuild

er) {

optionsBuilder.UseSqlServer("Your\_Connection\_String\_Here");

}

}

**3. Add Connection String in appsettings.json (optional for ASP.NET Core)**

**Models:**





