**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.

**Create Models in Models Folder**

**Category.cs**

public class Category {

public int Id { get; set; }

public string Name { get; set; }

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

}

**Product.cs**

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; }

}

**Setup AppDbContext**

**AppDbContext.cs**

public class AppDbContext : DbContext {

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

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

protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder) {

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

}

}

**Migrations and Database Update**

dotnet ef migrations add InitialCreate

dotnet ef database update

dotnet ef migrations add AddPriceColumn

dotnet ef database update

OUTPUT :  
