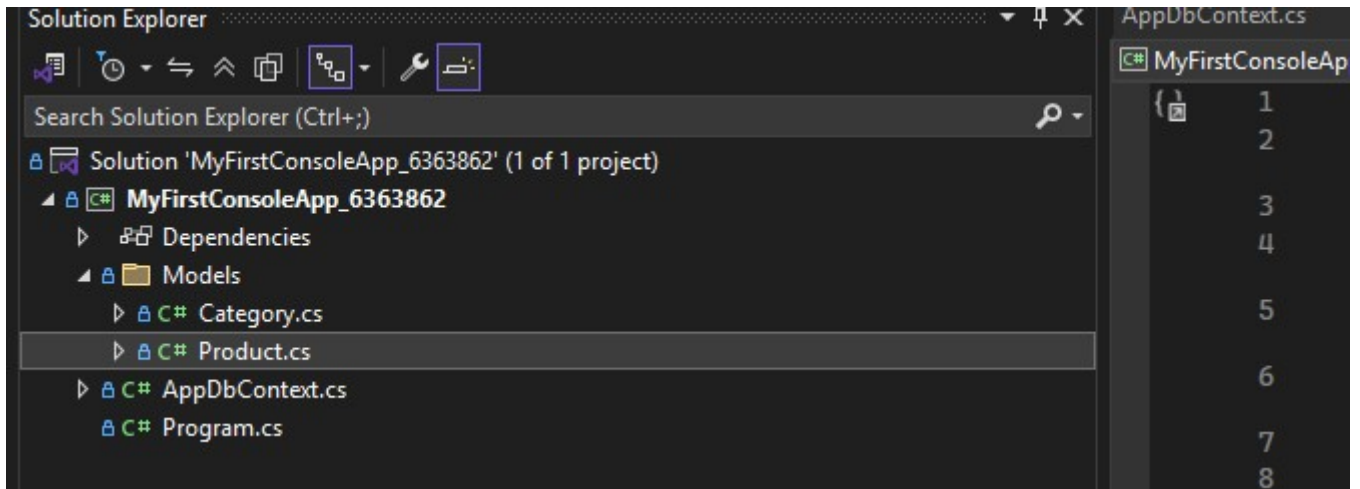
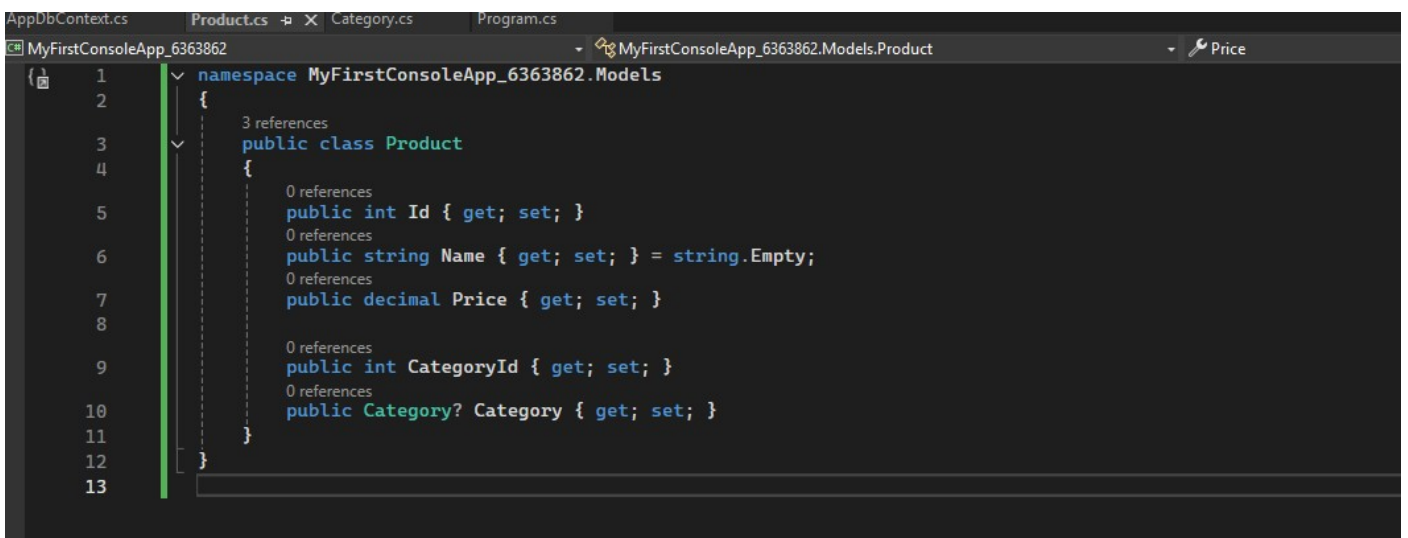
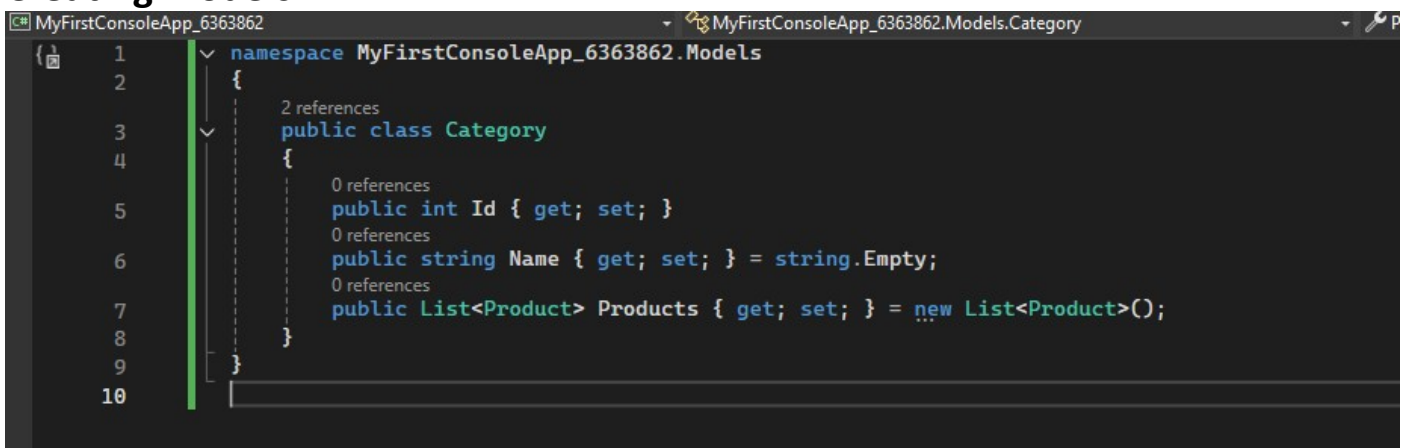


# EF Core 8.0 Guided Hands-On Exercises

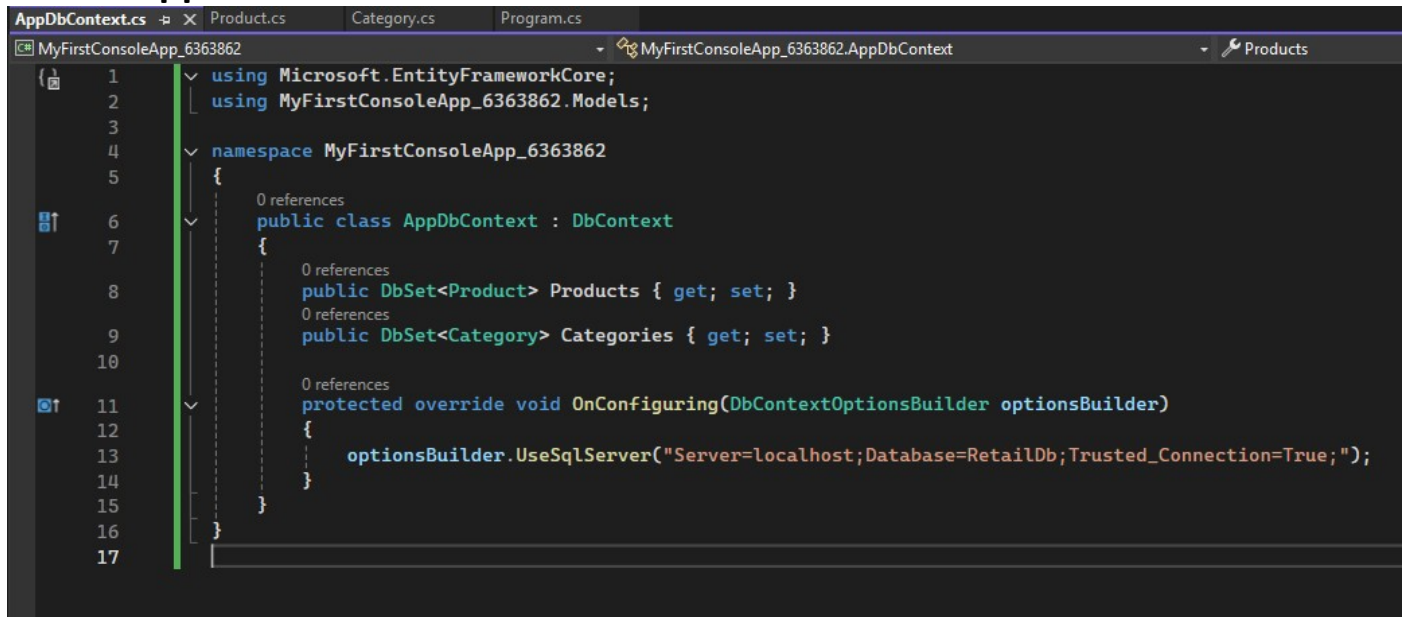
## Lab 2: Setting Up the Database Context for a Retail Store



### Creating models:



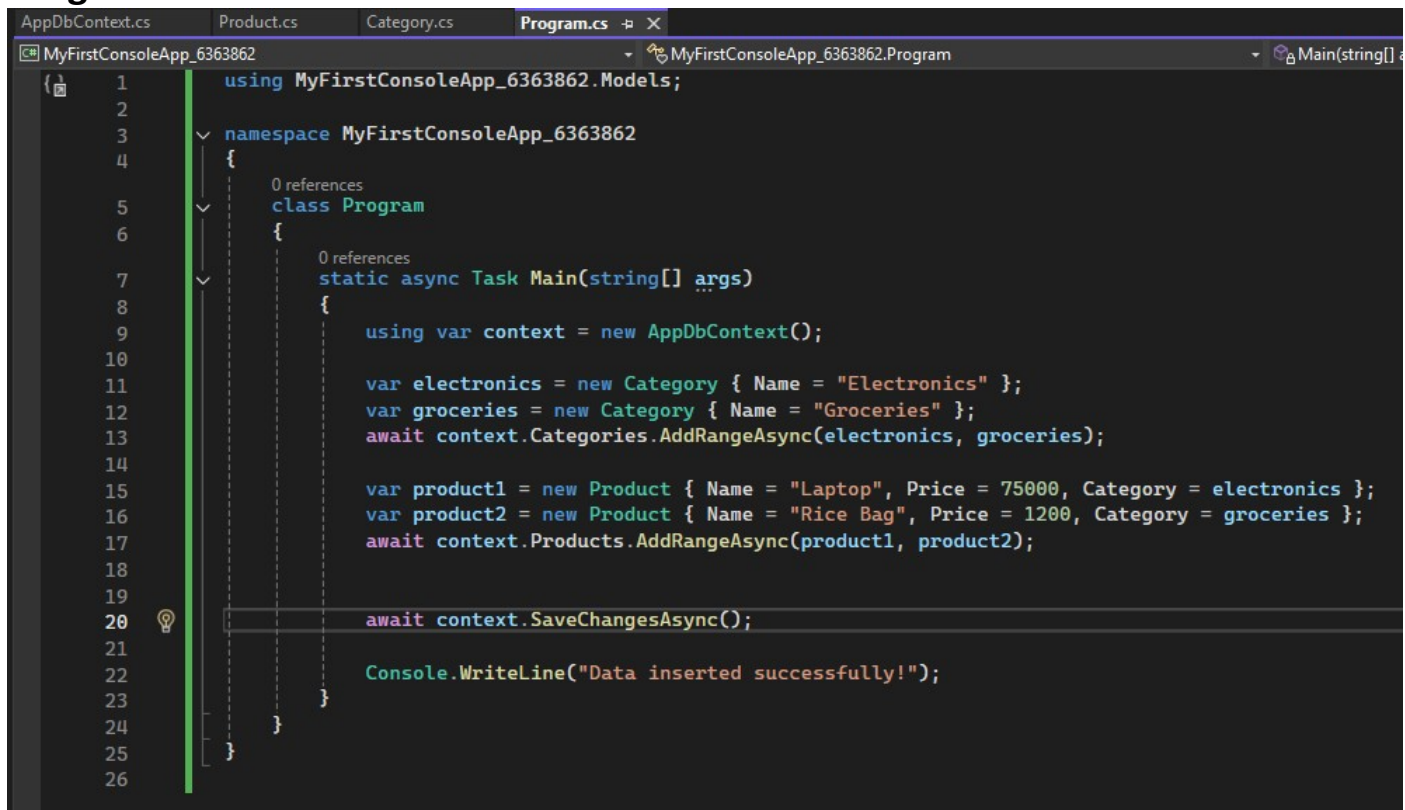
## Create AppDbContext:



```
AppDbContext.cs | Product.cs | Category.cs | Program.cs
MyFirstConsoleApp_6363862 | MyFirstConsoleApp_6363862.AppDbContext | Products

1  using Microsoft.EntityFrameworkCore;
2  using MyFirstConsoleApp_6363862.Models;
3
4  namespace MyFirstConsoleApp_6363862
5  {
6      public class AppDbContext : DbContext
7      {
8          public DbSet<Product> Products { get; set; }
9          public DbSet<Category> Categories { get; set; }
10
11         protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
12         {
13             optionsBuilder.UseSqlServer("Server=localhost;Database=RetailDb;Trusted_Connection=True;");
14         }
15     }
16
17
```

## Program.cs



```
AppDbContext.cs | Product.cs | Category.cs | Program.cs | Main(string[])
MyFirstConsoleApp_6363862 | MyFirstConsoleApp_6363862.Program | Main(string[])

1  using MyFirstConsoleApp_6363862.Models;
2
3  namespace MyFirstConsoleApp_6363862
4  {
5      class Program
6      {
7          static async Task Main(string[] args)
8          {
9              using var context = new AppDbContext();
10
11              var electronics = new Category { Name = "Electronics" };
12              var groceries = new Category { Name = "Groceries" };
13              await context.Categories.AddRangeAsync(electronics, groceries);
14
15              var product1 = new Product { Name = "Laptop", Price = 75000, Category = electronics };
16              var product2 = new Product { Name = "Rice Bag", Price = 1200, Category = groceries };
17              await context.Products.AddRangeAsync(product1, product2);
18
19              await context.SaveChangesAsync();
20              Console.WriteLine("Data inserted successfully!");
21          }
22      }
23  }
24
25
26
```