

# Efekty Pracy na ćwiczeniach – Entity Framework

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## Program.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
namespace AdrianŻerebiecEFProducts
{
    class Program
    {
        static void Main(string[] args)
        {
            Console.WriteLine("Podaj nazwę produktu");
            string prodName = Console.ReadLine();
            Console.WriteLine("Poniżej lista produktów zarejestrowanych w naszej bazie danych");

            ProductContext productContext = new ProductContext();
            Product product = new Product { ProductName = prodName };
            productContext.Products.Add(product);
            productContext.SaveChanges();

            var query = from prod in productContext.Products
                        select prod.ProductName;
            foreach (var pName in query)
            {
                Console.WriteLine(pName);
            }
        }
    }
}
```

## ProductContext.cs

```
using System;
using System.Threading.Tasks;
using Microsoft.EntityFrameworkCore;
using Microsoft.EntityFrameworkCore.Sqlite;

namespace AdrianŻerebiecEFProducts
{
    public class ProductContext : DbContext
    {
        public DbSet<Product> Products { get; set; }

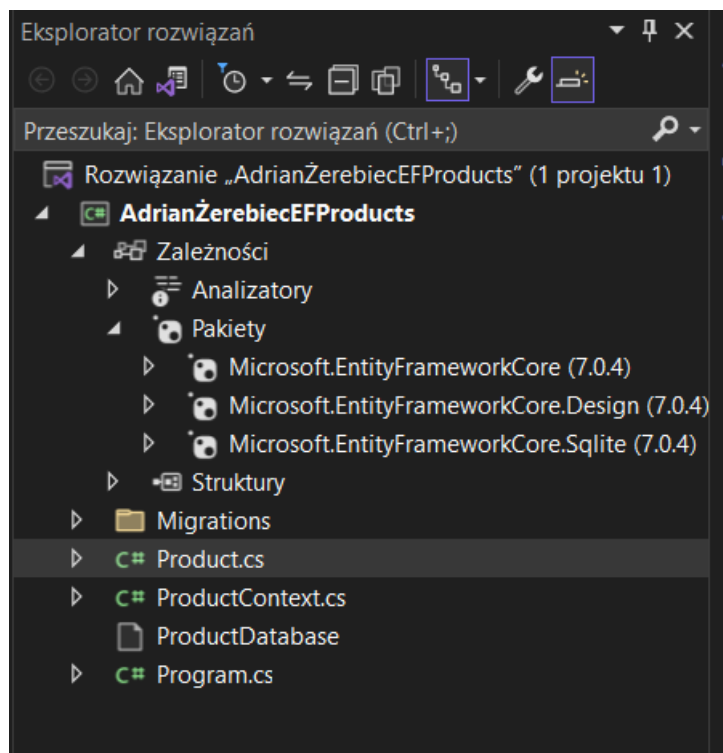
        protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
        {
            base.OnConfiguring(optionsBuilder);
            optionsBuilder.UseSqlite("DataSource=ProductDatabase");
        }
    }
}
```

## Product.cs

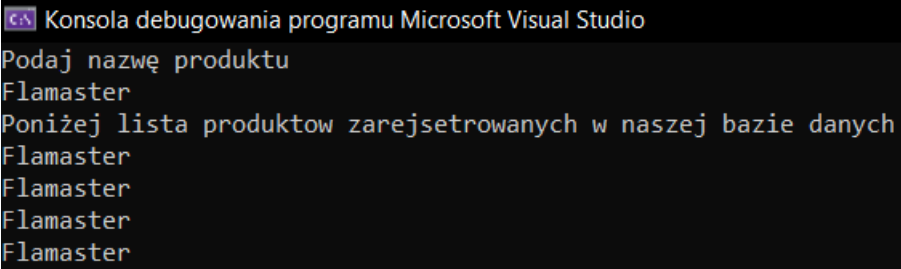
```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;

namespace AdrianZerebiecEFProducts
{
    Odwołania: 3
    public class Product
    {
        Odwołania: 0
        public int ProductID { get; set; }
        Odwołania: 2
        public string ProductName { get; set; }
        Odwołania: 0
        public int UnitOnStock { get; set; }
    }
}
```

## Pliki



## Wynik działania programu



```

C# Konsola debugowania programu Microsoft Visual Studio
Podaj nazwę produktu
Flamaster
Poniżej lista produktów zarejestrowanych w naszej bazie danych
Flamaster
Flamaster
Flamaster
Flamaster
```

The screenshot shows the output of a program in the Visual Studio debug console. The program prompts the user to enter a product name, and the user enters 'Flamaster'. The program then displays a list of products registered in the database, which consists of four 'Flamaster' entries.