

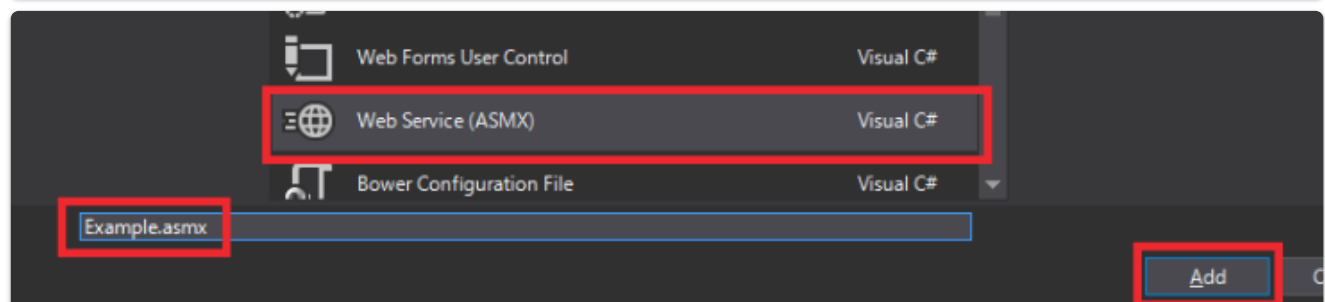
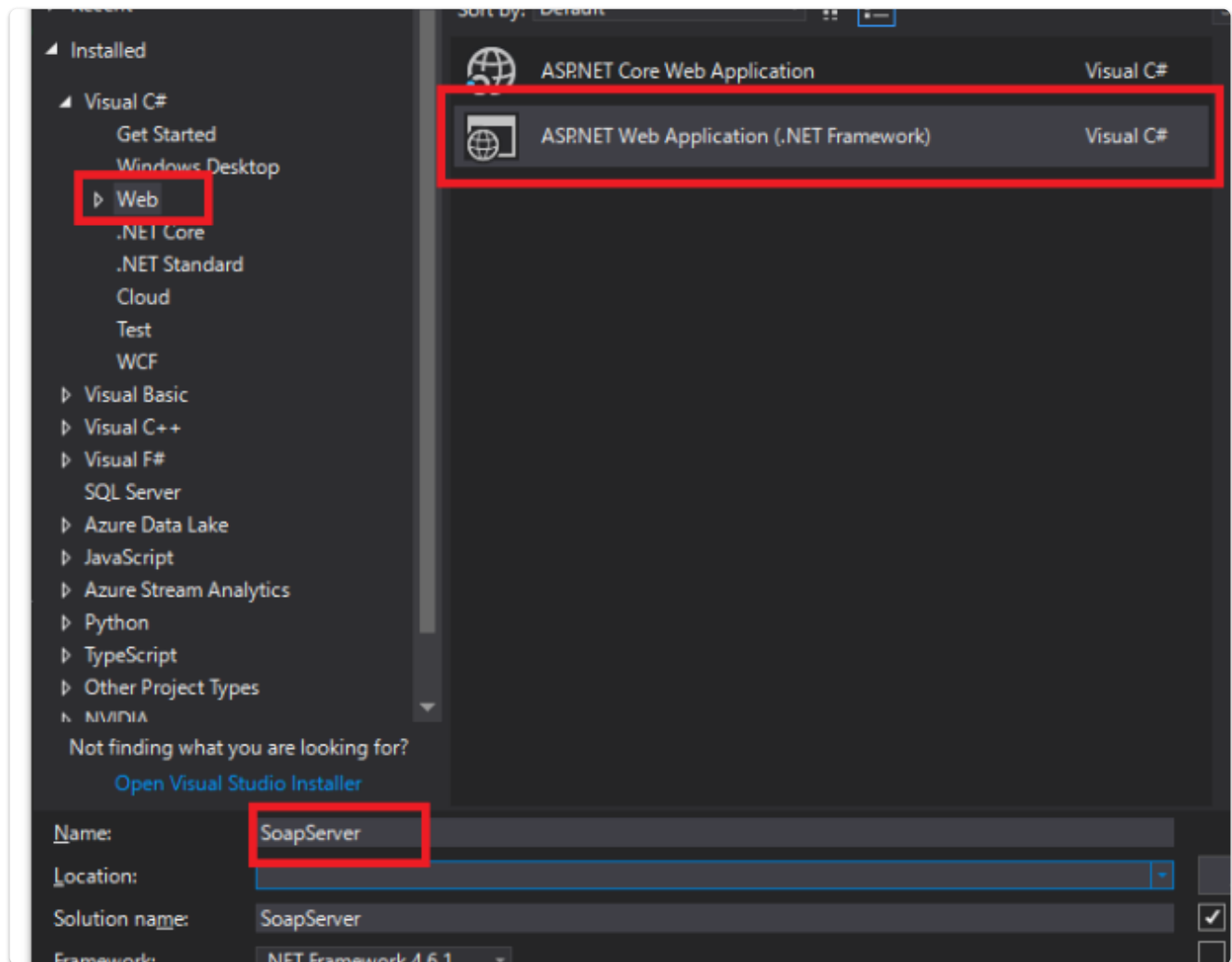
Soap Simple Server

#CSharp

#Soap

URL : <https://nowonbun.tistory.com/692>

Server



을 추가시킵니다.

```
using System;  
using System.Collections.Generic;  
using System.Linq;  
using System.Web;
```

```

using System.Web.Services;

namespace soapServer
{
    /// <summary>
    /// Example의 요약 설명입니다.
    /// </summary>
    //[WebService(Namespace = "http://tempuri.org/")]
    [WebService(Namespace = "SoapServer")]
    [WebServiceBinding(ConformsTo = WsiProfiles.BasicProfile1_1)]
    [System.ComponentModel.ToolboxItem(false)]
    // ASP.NET AJAX를 사용하여 스크립트에서 이 웹 서비스를 호출하려면 다음 줄의 주석 처리를 제거합니다.
    // [System.Web.Script.Services.ScriptService]
    public class SimpleSoapServer : System.Web.Services.WebService
    {
        // 접속자 address를 넣기 위한 list
        private static List<String> list = new List<string>();

        // 접속 context, request, response를 받기 위한 멤버 함수
        private HttpContext context;

        public SimpleSoapServer()
        {
            this.context = HttpContext.Current;
        }

        [WebMethod]
        public string HelloWorld()
        {
            return "Hello World";
        }

        [WebMethod]
        public int Count()
        {
            return list.Count;
        }

        [WebMethod]
        public List<String> GetCurrentors(string name)
        {
            var address = $"{this.context.Request.UserHostAddress} ({name})";
            if (!list.Where(x => x.Equals(address)).Any())
                list.Add(address);
            return list;
        }
    }
}

```

```
}

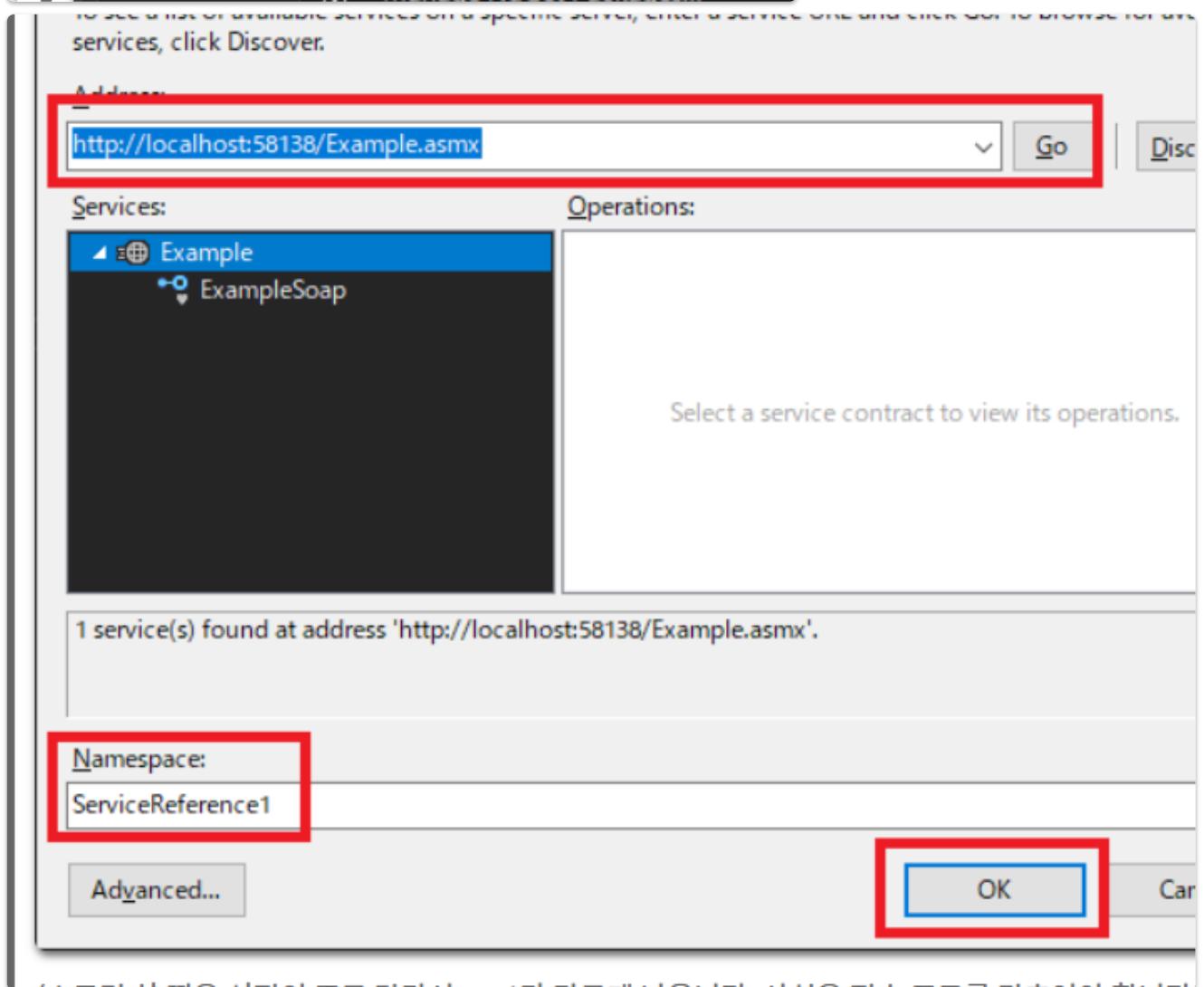
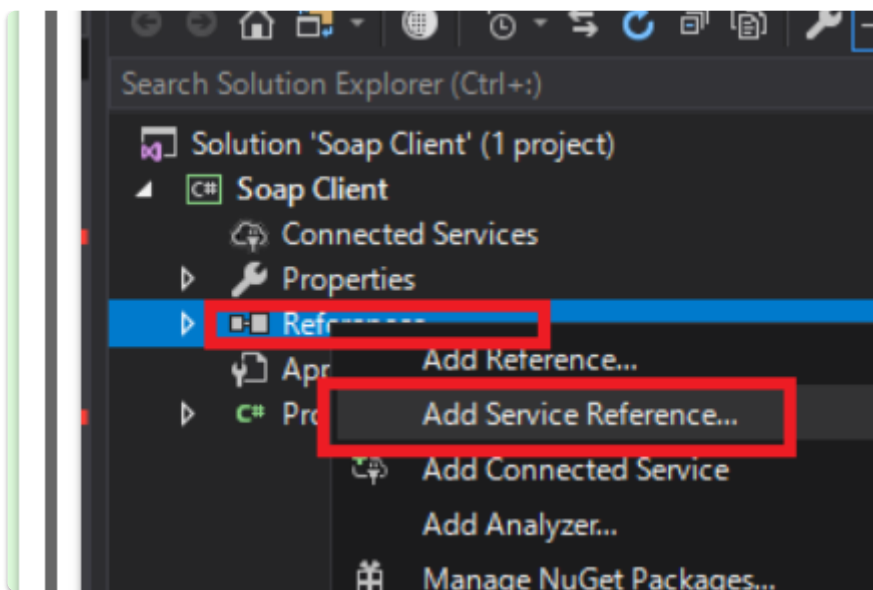
[WebMethod]
public int Add(int a, int b)
{
    return a + b;
}

[WebMethod]
public int Sub(int a, int b)
{
    return a - b;
}

[WebMethod]
public int Div(int a, int b)
{
    return a / b;
}

[WebMethod]
public int Mul(int a, int b)
{
    return a * b;
}
}
```

Client



```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Text;
using System.Threading.Tasks;
using soapClient.ServiceReference1;
```

```

namespace soapClient
{
    class Program
    {
        static void Main(string[] args)
        {
            // SimpleSoapServer Class Name + Client 로 객체 할당 가능
            var client = new SimpleSoapServerSoapClient();

            List<String> list = client.GetCurrentTors("C#");
            Console.WriteLine($"Count : {client.Count()}");
            Console.WriteLine($"User List");
            foreach (var addr in list)
            {
                Console.WriteLine($" {addr}");
            }
            Console.WriteLine($"[Add] 1 + 2 = {client.Add(1, 2)}");
            Console.WriteLine($"[Sub] 1 - 2 = {client.Sub(1, 2)}");
            Console.WriteLine($"[Div] 1 / 2 = {client.Div(1, 2)}");
            Console.WriteLine($"[Mul] 1 * 2 = {client.Mul(1, 2)}");

            Console.ReadKey();
        }
    }
}

```