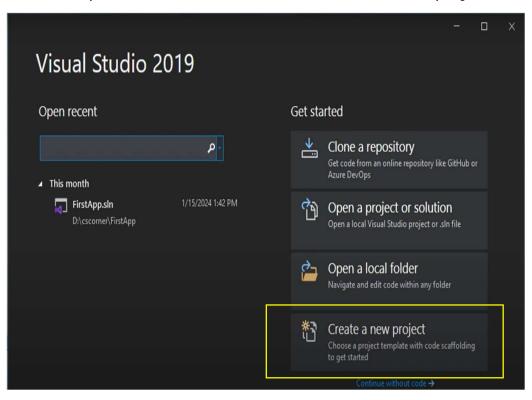
## **PRACTICAL NO: 04**

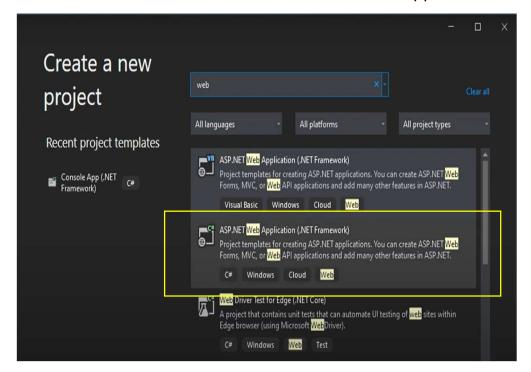
AIM: To create a Simple Web Service EvenOdd in .Net. Also create a .Net client to consume it.

## **A] FOR SEVER**

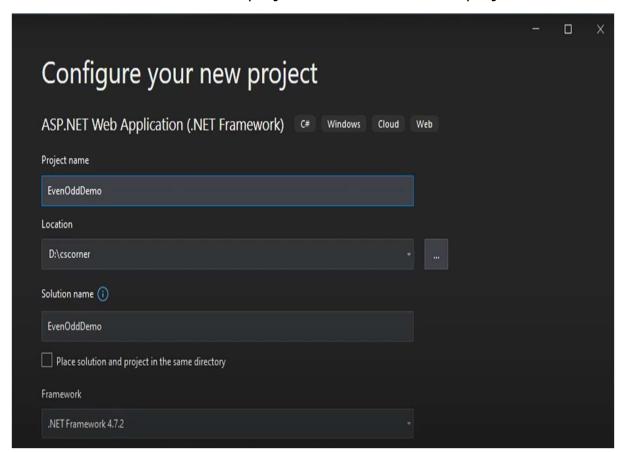
STEP 1: Open Visual Studio -> Select create on new project.



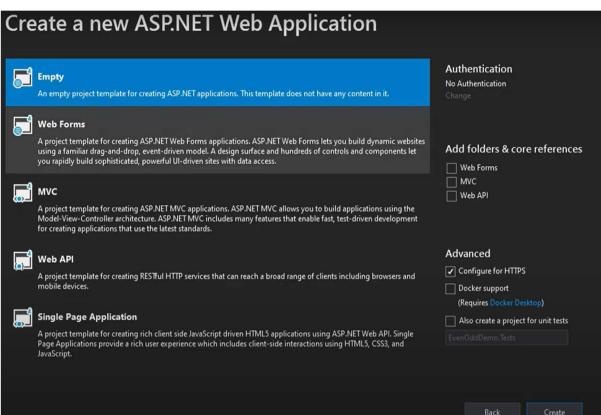
STEP 2: search for web and select the ASP.NET Application of C#



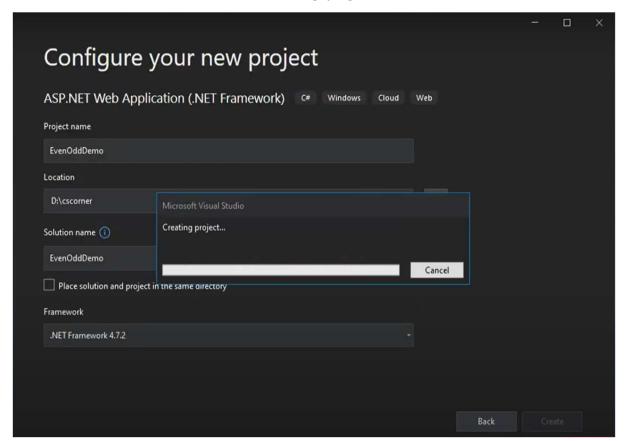
STEP 3: Give a name for the project -> Click on create project



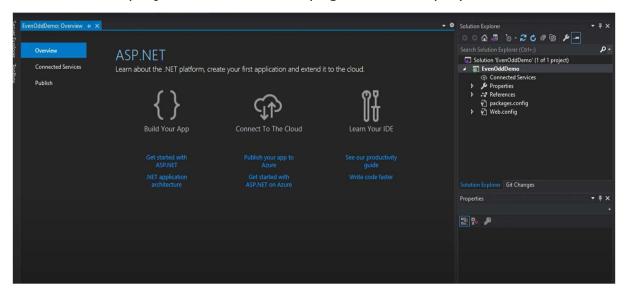
STEP 4: Select the Empty folder -> click on create



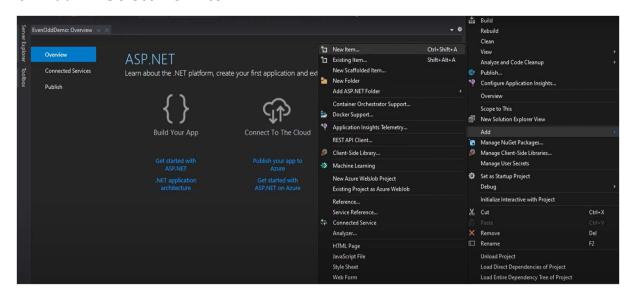
STEP 5: Once create is clicked loading page starts



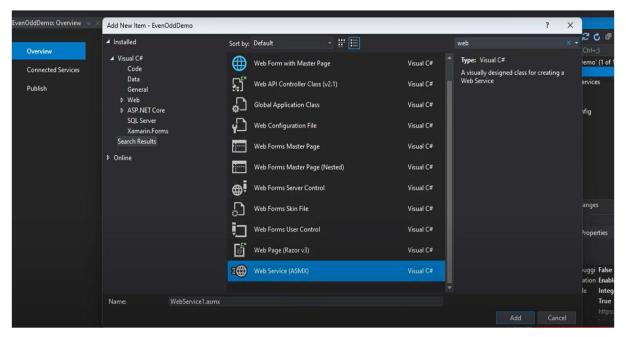
STEP 6: Once project is created this page will be dispalyed



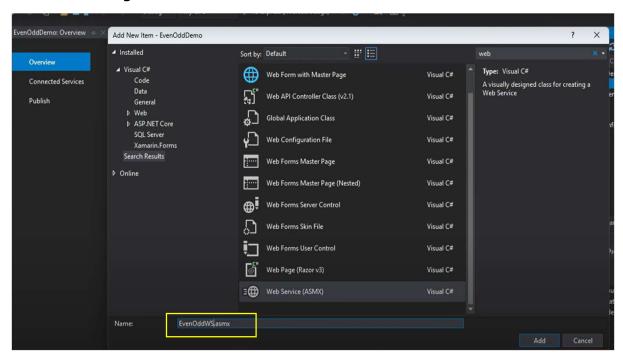
STEP 7: Right click on the project name showing on the right side -> click on Add -> Select New Item.



STEP 8: Once new item folder opens -> select web service (ASMX)

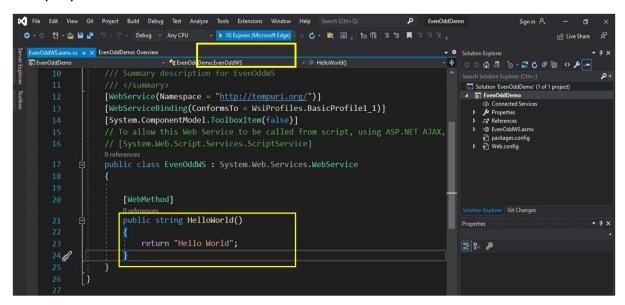


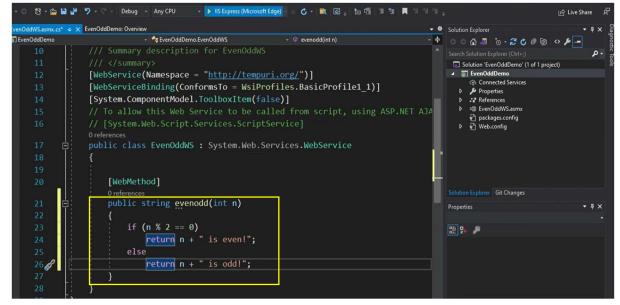
STEP 9: Change the name -> Click on Add



STEP 10: Once add is clicked this page will be displayed

STEP 11: Change this Hello World code with the main code -> then select the play button above.





STEP 12: This page is displayed once the play button is clicked -> open the evenodd link

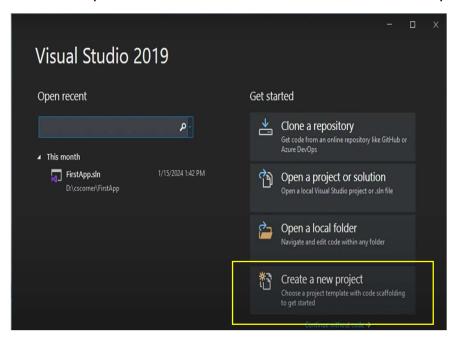


STEP 13: Enter any number -> select invoke button

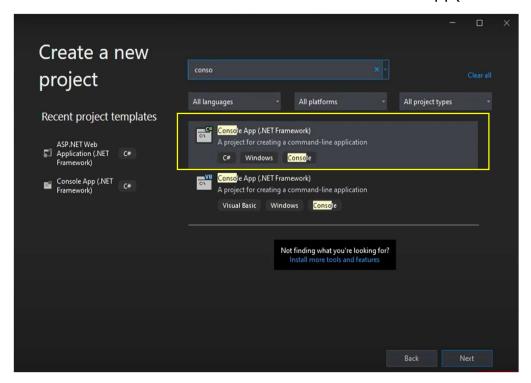
EvenOddWS
Click <u>here</u> for a complete list of operations.
evenodd
Test
To test the operation using the HTTP POST protocol, click the 'Invoke' button.  Parameter Value
n: 5
Invoke
SOAP 1.1
The following is a sample SOAP 1.1 request and response. The placeholders shown need to be replaced with actual values.
POST /EvenOddWS.asmx HTTP/1.1
STEP 15: The output will be displayed
← C 🙃 https://localhost:44396/EvenOddWS.asmx/evenodd
This XML file does not appear to have any style information associated with it. The document tree is shown below.
<pre><string xmlns="http://tempuri.org/">5 is odd!</string></pre>

## **B] FOR CLIENT**

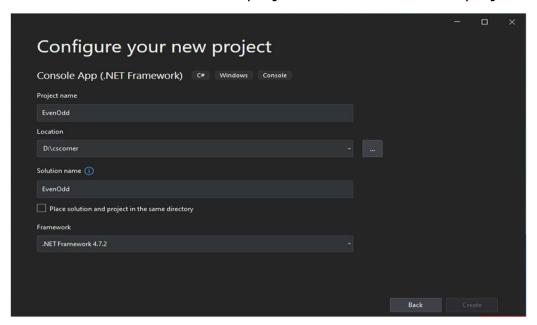
STEP 1: Open Visual Studio -> Select create on new project.



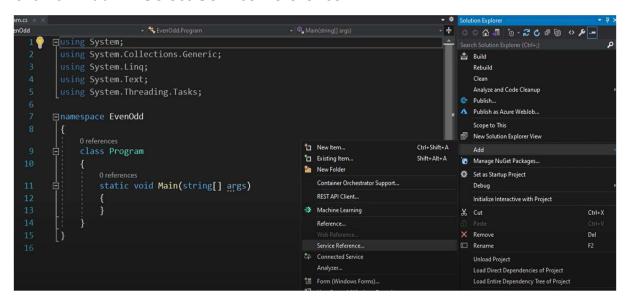
STEP 2: search for console and select the Console App(.Framework) of C#



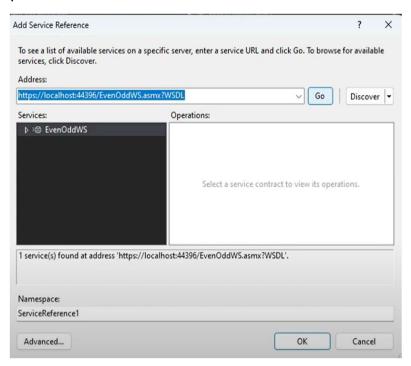
STEP 3: Give a name for the project -> Click on create project



STEP 4: Right click on the project name showing on the right side -> click on Add -> Select Service Reference.



STEP 5: Copy the WSDL path from the server's Service Description and paste it here -> click on Go -> click on Ok



STEP 6: Add the below shown commands in the code -> click on start

```
🔀 File Edit View Git Project Build Debug
🔾 - 🔾 🏗 - 🚈 🔛 🧬 🦻 - 🦿 - Debug - Any CPU
                                         - Start
                                                     🚉 📵 ្ 🤚 🎁 🖫 🥦 ក្រុកាកា 🍦
  © EvenOdd
                                                                                                - ÷
                                                                                                    େ 🖸 🗊 🍗 - 🗷 C ଣ 🗑 🗘 🗲 💻
               using EvenOdd.ServiceReference1;
             namespace EvenOdd
                   O references
class Program
                       static void Main(string[] args)
                           EvenOddWSSoapClient ws = new EvenOddWSSoapClient();
                           int n = int.Parse(Console.ReadLine());
                           Console.WriteLine(ws.evenodd(n));
                           Console.ReadLine();
                                                                                                    매 및 🥬
```

STEP 7: Here is the output displayed in client server.

```
Enter any number:
75
75 is odd!
```