Practical No. 2

Consuming a Web Service in a Console App

**Q.1]** Create a Web Service in ASP.NET and consume in .NET console application for Currency Converter INR to Dollar and Dollar to INR.

**Steps:**

1. Create a new project
2. Choose console app (.net framework)
3. Add service reference

**Note:** The console app is consuming practical 1’s web service with added new web methods.

**Code:**

**[Program.cs](console app):**

[WebMethod]

public string ConvertToDollar(int num)

{

return ((float)num / (float)89).ToString() + "$";

}

[WebMethod]

public string GetCurrencyConvertion(int inAmount, string outType, int outRate)

{

float convertedAmount = (float)inAmount / (float)outRate;

return (convertedAmount).ToString() + "$";

}

**[defaultmain.asmx.cs](practical 1):**

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.Web;

using System.Web.Services;

using ConsoleApp1.defaultmain;

namespace ConsoleApp1

{

internal class Program

{

static void Main(string[] args)

{

Console.WriteLine("Hello this will consume a web service");

defaultmainSoapClient client = new defaultmainSoapClient();

//Console.Write("Enter rupees amount to convert to dollar: ");

//string arg1 = Console.ReadLine();

//int amount = int.Parse(arg1);

//Console.WriteLine("To dollars: "+ client.ConvertToDollar(amount));

Console.Write("Enter the input currency ('USD','INR','PND','CND'): ");

string inType = Console.ReadLine();

Console.Write("Enter the output currency ('USD','INR','PND','CND'): ");

string outType = Console.ReadLine();

Console.Write(String.Format("Enter the rate for {0} to {1} conversion: ", inType, outType));

int inRate = int.Parse(Console.ReadLine());

Console.Write("Enter the amount: ");

int inAmount = int.Parse(Console.ReadLine());

string convertedAmount = client.GetCurrencyConvertion(inAmount, outType, inRate);

Console.Write(String.Format("Converted amount to {0}: {1}", outType, convertedAmount));

Console.ReadKey();

}

}

}

**Output:**





