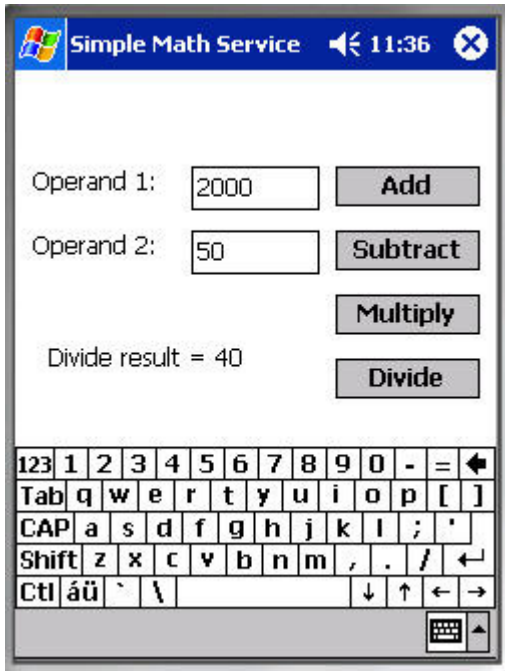


Using an XML Web Service

<http://samples.gotdotnet.com/quickstart/compactframework/>

This QuickStart describes how to use a Web service that provides results for simple arithmetic. This Web service is described in the full .NET Framework QuickStart "Write a Simple XML Web service," for which this QuickStart provides a client application as shown in the following screen shot. To read the Web service QuickStart, click [here](#).

Math Service client



Create the XML Web service client

The **Write a Simple XML Web service** QuickStart provides a math service written in Visual C# and for Visual Basic. You can use either of these Web references for creating an XML Web service client:

- <http://samples.gotdotnet.com/quickstart/aspplus/samples/services/MathService/CS/MathService.aspx?WSDL>

To create the XML Web service client

1. Create a smart device project in Visual Studio .NET.
2. Right-click **References** in **Solution Explorer**, and click **Add Web Reference**.
3. Enter one of the Web reference URLs listed previously for the **Address** in the **Add Web Reference** dialog box.
4. Click **Add Reference**.

Visual Studio .NET auto-generates the Web references. To use the service, you need only a few lines of code to do the following:

- Make a reference to the Web service.
- Create a new instance of **MathService**.
- Use a **MathService** method and display the results.

```

using System;
using System.Collections.Generic;
using System.ComponentModel;
using System.Data;
using System.Drawing;
using System.Text;
using System.Windows.Forms;
using WebService.MathServiceCS;

namespace WebService
{
    public partial class Form1 : Form
    {
        float operand1;
        float operand2;
        MathService myMath = new MathService();
        public Form1()
        {
            InitializeComponent();
        }
        private void GetOperands()
        {
            try
            {
                operand1 = float.Parse(textBox1.Text);
                operand2 = float.Parse(textBox2.Text);
            }
            catch (FormatException e)
            {
                label3.Text = e.ToString();
            }
        }
        private void Add_Click(object sender, EventArgs e)
        {
            GetOperands();
            label3.Text = "Add result = " + myMath.Add(operand1, operand2).ToString();
        }

        private void Sub_Click(object sender, EventArgs e)
        {
            GetOperands();
            label3.Text = "Sub result = " + myMath.Subtract(operand1,
operand2).ToString();
        }

        private void Mul_Click(object sender, EventArgs e)
        {
            GetOperands();
            label3.Text = "Multiply result = " + myMath.Multiply(operand1,
operand2).ToString();
        }

        private void Div_Click(object sender, EventArgs e)
        {
            GetOperands();
            label3.Text = "Divde result = " + myMath.Divide(operand1,
operand2).ToString();
        }
    }
}

```