```
Program.cs
                                                    UnitTest1.cs = X Form1.cs
                                                                                    Form1.cs [Design]
est Explorer

☑ CupsToOuncesTest

    CupsToOuncesTest.UnitTest1

    ButtonClick_thirdCups_2Ounces()

                                         17
                                                        double cups = 3;
Run All Run... ▼ Playlist : All Tests ▼
                                                        double expected = 24;
                                                        Form1 c = new Form1();

    Cups To Ounces (5 tests)

                                                        double ounces = c.CupsToOunces(cups);
                                         20

■ CupsToOuncesTest (5)

                           453 ms
                                                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
                                         21

■ CupsToOuncesTest (5)

                           453 ms
                                                    [TestMethod]
                                         23

■ (V) UnitTest1 (5)

                           453 ms

 O references

         W ButtonClick_3C... 161 ms
                                         24
                                                    public void ButtonClick halfCups 40unces()
                                               ▣
         ButtonClick_Inv... 135 ms
                                                        double cups = 0.5;
                                         26
         ButtonClick_half... < 1 ms</p>
                                                        double expected = 4;
         ButtonClick_thir... 148 ms
                                                        Form1 c = new Form1();

√ TestMethod1

                             7 ms
                                         29
                                                        double ounces = c.CupsToOunces(cups);
                                                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
                                                    [TestMethod]
                                                    0 references
                                                    public void ButtonClick thirdCups 20unces()
                                                        //We could also do Math.Round depending on the needness of exactness
                                                        double cups = 0.33;
                                                        double expected = 2.66;
                                                        Form1 c = new Form1();
                                                        double ounces = c.CupsToOunces(cups);
                                                        Assert.AreEqual(expected, ounces, 0.03, "Somehow, the end result was not equ
                                                    [TestMethod]
                                                    O references
                                                    public void ButtonClick InvalidInput NegativeException()
                                                        double cups = 0;
                                                        Form1 c = new Form1();
                                                        double ounces = c.CupsToOunces(cups);
                                                        if (ounces < 0)
                                               Assert.ThrowsException<System.ArgumentOutOfRangeException>(() => ounces)
```

```
ng System.Windows.Forms;
ng Microsoft.VisualStudio.TestTools.UnitTesting;
ng Cups To Ounces;
espace CupsToOuncesTest
 [TestClass]
0 references
 public class UnitTest1
     [TestMethod]
     O references
     public void TestMethod1()
     [TestMethod]

 O references

     public void ButtonClick 3Cups 24Ounces()
         double cups = 3;
         double expected = 24;
         Form1 c = new Form1();
         double ounces = c.CupsToOunces(cups);
         Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal
```

.ng System;

```
using Cups To Ounces;
     □namespace CupsToOuncesTest
           [TestClass]
           0 references
           public class UnitTest1
     [TestMethod]
10
               O references
11
               public void TestMethod1()
     12
13
14
                [TestMethod]
               O references
               public void ButtonClick 3Cups 24Ounces()
15
16
17
                    double cups = 3;
18
                    double expected = 24;
                    Form1 c = new Form1();
19
                    double ounces = c.CupsToOunces(cups);
20
21
                    Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
22
                [TestMethod]
23
               O references
24
                public void ButtonClick halfCups 40unces()
25
                    double cups = 0.5;
26
27
                    double expected = 4;
                    Form1 c = new Form1();
28
                    double ounces = c.CupsToOunces(cups);
29
                    Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
30
31
```

using microsorc.visuaiscuuto.reschoois.oniicrescing,

```
CupsToOuncesTest

    CupsToOuncesTest.UnitTest1

                                                                                               double cups = 3;
        17
                        double expected = 24;
        18
        19
                        Form1 c = new Form1();
                        double ounces = c.CupsToOunces(cups);
        21
                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
        22
        23
                    [TestMethod]
                    O references
15
                    public void ButtonClick halfCups 40unces()
        24
15
        25
                        double cups = 0.5;
15
                        double expected = 4;
        27
                        Form1 c = new Form1();
        29
                        double ounces = c.CupsToOunces(cups);
                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
        31
        32
                    [TestMethod]
                    O references
                    public void ButtonClick thirdCups 20unces()
        34
                        //We could also do Math.Round depending on the needness of exactness
                        double cups = 0.33;
        36
                        double expected = 2.66;
                        Form1 c = new Form1();
                        double ounces = c.CupsToOunces(cups);
                        Assert.AreEqual(expected, ounces, 0.03, "Somehow, the end result was not equal");
        41
        42
        44
```

Form1.cs [Design]

Program.cs

UnitTest1.cs* + X Form1.cs

```
double expected = 24;
                                        Form1 c = new Form1();
Run... - | Playlist :
                         19
                                        double ounces = c.CupsToOunces(cups);
s To Ounces (5 tests) 1 f
                         21
                                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
                         22
CupsToO... (5) 543 ms
                         23
                                    [TestMethod]
3 Cups... (5) 543 ms
                                    O references
(X) Unit... (5) 543 ms
                               ፅ
                                    public void ButtonClick halfCups 40unces()
                         24
                         25
   Butt... 161 ms
                                        double cups = 0.5;
    🔀 Butt... 226 ms
                                        double expected = 4;
   Form1 c = new Form1();
   W Butt... 148 ms
                                        double ounces = c.CupsToOunces(cups);
                                        Assert.AreEqual(expected, ounces, "Somehow, the end result was not equal");
   TestMe... 7 ms
                         32
                                    [TestMethod]
                                    O references
                                    public void ButtonClick thirdCups 20unces()
                         34
                                        //We could also do Math.Round depending on the needness of exactness
                                        double cups = 0.33;
                                        double expected = 2.66;
                                        Form1 c = new Form1();
                                        double ounces = c.CupsToOunces(cups);
                                        Assert.AreEqual(expected, ounces, 0.03, "Somehow, the end result was not equal
                         42
                                    [TestMethod]
                                    0 references
                                    public void ButtonClick InvalidInput NegativeException()
                         44
                                        double cups = 0;
                                        Form1 c = new Form1();
                                        double ounces = c.CupsToOunces(cups);
                         47
                         48 😨
                                        Assert.ThrowsException<System.ArgumentOutOfRangeException>(() => ounces);
                         51
                         52
```

doubte cubs = 5;

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