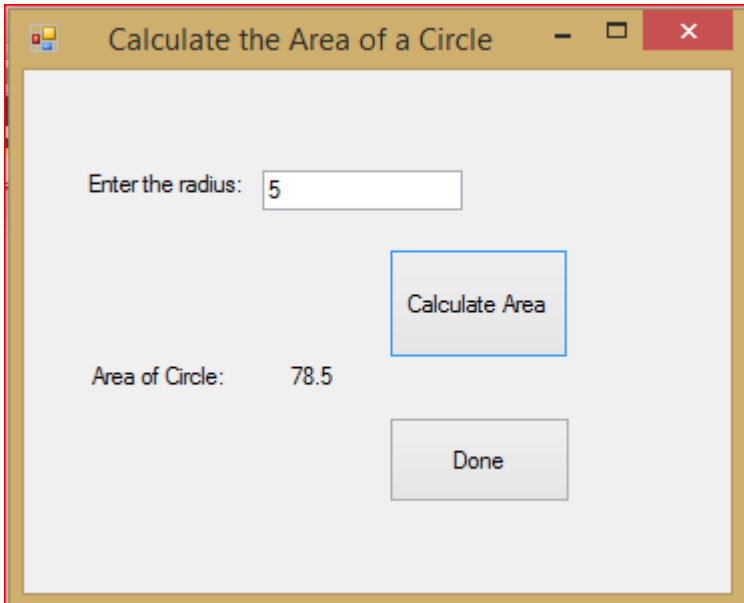


Visual Basic 2010 Express - Constants – Programs

PROGRAM 1 - Create a program that calculates the area of a circle. The user will enter the radius value into a textbox and the area of the circle will be displayed in a label after the Calculate Area button is clicked.

You *must* use two variables (for radius and area) and one constant for pi.

Your interface should look like this after the user types in the value of 5 for the radius:



You will require the following:

- One textbox (txtradius)
- Three labels, one called lblarea (for the label that displays the area)
- Two buttons

Here is a screen print of the code:

```
Public Class frmcirclearea

    Private Sub btncalculatearea_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btncalculatearea.Click
        Const dblpi As Double = 3.14
        Dim dblradius As Double, dblcirclearea As Double

        dblradius = txtradius.Text
        dblcirclearea = dblpi * dblradius ^ 2

        lblarea.Text = dblcirclearea
    End Sub

    Private Sub btndone_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles btndone.Click
        End
    End Sub
End Class
```

PROGRAM 2 - Create a program that asks the user for a price of a product and then calculates the tax on the product. Use two variables (for the price and total) as well as one constant (for the tax rate, which is 13 %).