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' Ch4Demo Prime Numbers

Public Class Form1
    Inherits System.Windows.Forms.Form

    Windows Form Designer generated code

    Private Sub btnClick_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Handles btnClick.Click
            Dim intNum As Integer = Val(txtNum.Text)

            If (intNum Mod 2 <> 0) Then
                lblOutput.Text = "Odd"
            Else
                lblOutput.Text = "Even"
            End If

        End Sub

    Private Sub btnPrime_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
        Handles btnPrime.Click
            Dim intNum As Integer = Val(txtNum.Text)

            If (intNum Mod 2 <> 0 And intNum Mod 3 <> 0 And intNum Mod 5 <> 0 And intNum Mod 7 <> 0
                Or intNum = 2 Or intNum = 3 Or intNum = 5 Or intNum = 7) Then
                lblPrime.Text = "Prime"
            Else
                lblPrime.Text = "Composite"
            End If

        End Sub
    End Class
```