Public Class Form1

Dim add, subt, mul, div, sqr, result, oprloop, addloop, subtloop, mulloop, divloop, len1, len2, del As Integer

Dim add\_aft\_mul, add\_aft\_subt, add\_aft\_div, subt\_aft\_add, subt\_aft\_mul, subt\_aft\_div As Integer

Dim mul\_aft\_add, mul\_aft\_subt, mul\_aft\_div, div\_aft\_add, div\_aft\_subt, div\_aft\_mul As Integer

Dim sqr\_aft\_add, sqr\_aft\_subt, sqr\_aft\_mul, sqr\_aft\_div, sqrloop As Integer

Dim add\_aft\_sqr, subt\_aft\_sqr, mul\_aft\_sqr, div\_aft\_sqr As Integer

Dim opr1, opr2, answer As Double

Dim opr, del\_opr1, del\_opr2 As String

Dim value As Double

Private Sub Button9\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button9.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button9.Text

If add Then

TextBox2.Text = Button9.Text

add = False

ElseIf subt Then

TextBox2.Text = Button9.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button9.Text

mul = False

ElseIf div Then

TextBox2.Text = Button9.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button9.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button9.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button1.Text

If add Then

TextBox2.Text = Button1.Text

add = False

ElseIf subt Then

TextBox2.Text = Button1.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button1.Text

mul = False

ElseIf div Then

TextBox2.Text = Button1.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button1.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button1.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button2.Text

If add Then

TextBox2.Text = Button2.Text

add = False

ElseIf subt Then

TextBox2.Text = Button2.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button2.Text

mul = False

ElseIf div Then

TextBox2.Text = Button2.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button2.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button2.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button3\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button3.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button3.Text

If add Then

TextBox2.Text = Button3.Text

add = False

ElseIf subt Then

TextBox2.Text = Button3.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button3.Text

mul = False

ElseIf div Then

TextBox2.Text = Button3.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button3.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button3.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button4\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button4.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button4.Text

If add Then

TextBox2.Text = Button4.Text

add = False

ElseIf subt Then

TextBox2.Text = Button4.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button4.Text

mul = False

ElseIf div Then

TextBox2.Text = Button4.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button4.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button4.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button5\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button5.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button5.Text

If add Then

TextBox2.Text = Button5.Text

add = False

ElseIf subt Then

TextBox2.Text = Button5.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button5.Text

mul = False

ElseIf div Then

TextBox2.Text = Button5.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button5.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button5.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button6\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button6.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button6.Text

If add Then

TextBox2.Text = Button6.Text

add = False

ElseIf subt Then

TextBox2.Text = Button6.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button6.Text

mul = False

ElseIf div Then

TextBox2.Text = Button6.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button6.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button6.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button7\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button7.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button7.Text

If add Then

TextBox2.Text = Button7.Text

add = False

ElseIf subt Then

TextBox2.Text = Button7.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button7.Text

mul = False

ElseIf div Then

TextBox2.Text = Button7.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button7.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button7.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button8\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button8.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button8.Text

If add Then

TextBox2.Text = Button8.Text

add = False

ElseIf subt Then

TextBox2.Text = Button8.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button8.Text

mul = False

ElseIf div Then

TextBox2.Text = Button8.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button8.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button8.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button10\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button10.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button10.Text

If add Then

TextBox2.Text = Button10.Text

add = False

ElseIf subt Then

TextBox2.Text = Button10.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button10.Text

mul = False

ElseIf div Then

TextBox2.Text = Button10.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button10.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button10.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button11\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button11.Click

If result Then

clear()

result = False

End If

TextBox1.Text = TextBox1.Text + Button11.Text

If add Then

TextBox2.Text = Button11.Text

add = False

ElseIf subt Then

TextBox2.Text = Button11.Text

subt = False

ElseIf mul Then

TextBox2.Text = Button11.Text

mul = False

ElseIf div Then

TextBox2.Text = Button11.Text

div = False

ElseIf sqr Then

TextBox2.Text = Button11.Text

sqr = False

Else

TextBox2.Text = TextBox2.Text + Button11.Text

End If

opr1 = Val(TextBox2.Text)

End Sub

Private Sub Button18\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button18.Click

If add\_aft\_subt Then

subtraction()

add\_aft\_subt = False

mul\_aft\_subt = False

div\_aft\_subt = False

sqr\_aft\_subt = False

ElseIf add\_aft\_mul Then

multiplication()

add\_aft\_mul = False

subt\_aft\_mul = False

div\_aft\_mul = False

sqr\_aft\_mul = False

ElseIf add\_aft\_div Then

division()

add\_aft\_div = False

subt\_aft\_div = False

mul\_aft\_div = False

sqr\_aft\_div = False

ElseIf add\_aft\_sqr Then

square()

add\_aft\_sqr = False

subt\_aft\_sqr = False

mul\_aft\_sqr = False

div\_aft\_sqr = False

ElseIf addloop Then

addition()

ElseIf addloop = False Then

opr2 = 0

answer = opr1 + opr2

TextBox2.Text = answer

End If

add = True

oprloop = True

TextBox1.Text = TextBox1.Text & Button18.Text

opr = "+"

addloop = True

subt\_aft\_add = True

mul\_aft\_add = True

div\_aft\_add = True

sqr\_aft\_add = True

End Sub

Private Sub Button16\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button16.Click

If subt\_aft\_add Then

addition()

subt\_aft\_add = False

mul\_aft\_add = False

div\_aft\_add = False

sqr\_aft\_add = False

ElseIf subt\_aft\_mul Then

multiplication()

subt\_aft\_mul = False

add\_aft\_mul = False

div\_aft\_mul = False

sqr\_aft\_mul = False

ElseIf subt\_aft\_div Then

division()

subt\_aft\_div = False

add\_aft\_div = False

mul\_aft\_div = False

sqr\_aft\_div = False

ElseIf subt\_aft\_sqr Then

square()

add\_aft\_sqr = False

subt\_aft\_sqr = False

mul\_aft\_sqr = False

div\_aft\_sqr = False

ElseIf subtloop Then

subtraction()

ElseIf subtloop = False Then

opr2 = 0

answer = opr1 - opr2

TextBox2.Text = answer

End If

subt = True

oprloop = True

TextBox1.Text = TextBox1.Text & Button16.Text

opr = "-"

subtloop = True

add\_aft\_subt = True

mul\_aft\_subt = True

div\_aft\_subt = True

sqr\_aft\_subt = True

End Sub

Private Sub Button14\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button14.Click

If mul\_aft\_add Then

addition()

mul\_aft\_add = False

subt\_aft\_add = False

div\_aft\_add = False

sqr\_aft\_add = False

ElseIf mul\_aft\_subt Then

subtraction()

mul\_aft\_subt = False

add\_aft\_subt = False

div\_aft\_subt = False

sqr\_aft\_subt = False

ElseIf mul\_aft\_div Then

division()

mul\_aft\_div = False

add\_aft\_div = False

subt\_aft\_div = False

sqr\_aft\_div = False

ElseIf mul\_aft\_sqr Then

square()

add\_aft\_sqr = False

subt\_aft\_sqr = False

mul\_aft\_sqr = False

div\_aft\_sqr = False

ElseIf mulloop Then

multiplication()

ElseIf mulloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

mul = True

oprloop = True

TextBox1.Text = TextBox1.Text & Button14.Text

opr = "\*"

mulloop = True

add\_aft\_mul = True

subt\_aft\_mul = True

div\_aft\_mul = True

sqr\_aft\_mul = True

End Sub

Private Sub Button19\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button19.Click

If div\_aft\_add Then

addition()

div\_aft\_add = False

subt\_aft\_add = False

mul\_aft\_add = False

sqr\_aft\_add = False

ElseIf div\_aft\_subt Then

subtraction()

div\_aft\_subt = False

add\_aft\_subt = False

mul\_aft\_subt = False

sqr\_aft\_subt = False

ElseIf div\_aft\_mul Then

multiplication()

div\_aft\_mul = False

add\_aft\_mul = False

subt\_aft\_mul = False

sqr\_aft\_mul = False

ElseIf div\_aft\_sqr Then

square()

div\_aft\_sqr = False

mul\_aft\_sqr = False

subt\_aft\_sqr = False

add\_aft\_sqr = False

ElseIf divloop Then

division()

ElseIf divloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

div = True

oprloop = True

TextBox1.Text = TextBox1.Text & Button19.Text

opr = "/"

divloop = True

add\_aft\_div = True

subt\_aft\_div = True

mul\_aft\_div = True

sqr\_aft\_div = True

End Sub

Private Sub Form1\_Load(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles MyBase.Load

TextBox1.Clear()

oprloop = False

addloop = False

subtloop = False

mulloop = False

divloop = False

sqrloop = False

add\_aft\_subt = False

add\_aft\_mul = False

add\_aft\_div = False

add\_aft\_sqr = False

subt\_aft\_add = False

subt\_aft\_mul = False

subt\_aft\_div = False

subt\_aft\_sqr = False

mul\_aft\_add = False

mul\_aft\_subt = False

mul\_aft\_div = False

mul\_aft\_sqr = False

div\_aft\_add = False

div\_aft\_subt = False

div\_aft\_mul = False

div\_aft\_sqr = False

End Sub

Private Sub Button17\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button17.Click

result = True

Select Case opr

Case "+"

If addloop Then

addition()

ElseIf addloop = False Then

opr2 = 0

answer = opr1 + opr2

TextBox2.Text = answer

End If

add = True

oprloop = True

TextBox1.Text = TextBox1.Text

opr = "+"

Case "-"

If subtloop Then

subtraction()

ElseIf subtloop = False Then

opr2 = 0

answer = opr1 - opr2

TextBox2.Text = answer

End If

subt = True

oprloop = True

TextBox1.Text = TextBox1.Text

opr = "-"

'

Case "\*"

If mulloop Then

multiplication()

ElseIf mulloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

mul = True

oprloop = True

TextBox1.Text = TextBox1.Text

opr = "\*"

Case "/"

If divloop Then

division()

ElseIf divloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

div = True

oprloop = True

TextBox1.Text = TextBox1.Text

opr = "/"

Case "^"

If sqrloop Then

square()

ElseIf sqrloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

sqr = True

oprloop = True

TextBox1.Text = TextBox1.Text

opr = "^"

End Select

End Sub

Private Sub Button13\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button13.Click

clear()

End Sub

Private Sub Button12\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button12.Click

If TextBox1.TextLength > 0 Then

TextBox1.Text = TextBox1.Text.Remove(TextBox1.TextLength - 1, 1)

End If

If TextBox2.TextLength > 0 Then

TextBox2.Text = TextBox2.Text.Remove(TextBox2.TextLength - 1, 1)

End If

End Sub

Private Sub Button21\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button21.Click

If sqr\_aft\_add Then

addition()

mul\_aft\_add = False

subt\_aft\_add = False

div\_aft\_add = False

sqr\_aft\_add = False

ElseIf sqr\_aft\_subt Then

subtraction()

mul\_aft\_subt = False

add\_aft\_subt = False

div\_aft\_subt = False

sqr\_aft\_subt = False

ElseIf sqr\_aft\_mul Then

multiplication()

add\_aft\_mul = False

subt\_aft\_mul = False

div\_aft\_mul = False

sqr\_aft\_mul = False

ElseIf sqr\_aft\_div Then

division()

mul\_aft\_div = False

add\_aft\_div = False

subt\_aft\_div = False

sqr\_aft\_div = False

ElseIf sqrloop Then

square()

ElseIf sqrloop = False Then

TextBox2.Text = opr1

answer = opr1

End If

sqr = True

oprloop = True

TextBox1.Text = "(" & TextBox1.Text & "^2" & ")"

opr = "^"

sqrloop = True

add\_aft\_sqr = True

subt\_aft\_sqr = True

mul\_aft\_sqr = True

div\_aft\_sqr = True

End Sub

Private Sub Button22\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button22.Click

TextBox1.Text = "root(" & TextBox1.Text & ")"

If addloop Then

addition()

TextBox2.Text = Math.Sqrt(answer)

addloop = False

ElseIf subtloop Then

subtraction()

TextBox2.Text = Math.Sqrt(answer)

subtloop = False

ElseIf mulloop Then

multiplication()

TextBox2.Text = Math.Sqrt(answer)

mulloop = False

ElseIf divloop Then

division()

TextBox2.Text = Math.Sqrt(answer)

divloop = False

ElseIf sqrloop Then

square()

TextBox2.Text = Math.Sqrt(answer)

sqrloop = False

Else

TextBox2.Text = Math.Sqrt(Val(TextBox2.Text))

End If

End Sub

Private Sub clear()

TextBox1.Clear()

TextBox2.Clear()

opr1 = 0

opr2 = 0

answer = 0

oprloop = False

addloop = False

subtloop = False

mulloop = False

divloop = False

sqrloop = False

add\_aft\_subt = False

add\_aft\_mul = False

add\_aft\_div = False

add\_aft\_sqr = False

subt\_aft\_add = False

subt\_aft\_mul = False

subt\_aft\_div = False

subt\_aft\_sqr = False

mul\_aft\_add = False

mul\_aft\_subt = False

mul\_aft\_div = False

mul\_aft\_sqr = False

div\_aft\_add = False

div\_aft\_subt = False

div\_aft\_mul = False

div\_aft\_sqr = False

sqr\_aft\_add = False

sqr\_aft\_subt = False

sqr\_aft\_mul = False

sqr\_aft\_div = False

End Sub

Private Sub addition()

opr2 = Val(TextBox2.Text)

answer = answer + opr2

TextBox2.Text = answer

End Sub

Private Sub subtraction()

opr2 = Val(TextBox2.Text)

answer = answer - opr2

TextBox2.Text = answer

End Sub

Private Sub multiplication()

opr2 = Val(TextBox2.Text)

answer = answer \* opr2

TextBox2.Text = answer

End Sub

Private Sub division()

opr2 = Val(TextBox2.Text)

answer = answer / opr2

TextBox2.Text = answer

End Sub

Private Sub square()

opr2 = Val(TextBox2.Text)

answer = answer \* answer

TextBox2.Text = answer

End Sub

Private Sub Button15\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button15.Click

value = answer

'TextBox1.Text.Replace(opr1, "reciproc" & opr1)

If result Then

TextBox2.Text = 1 / Val(TextBox2.Text)

result = False

Else

opr2 = Val(TextBox2.Text)

answer = 1 / opr2

TextBox2.Text = answer

If addloop Then

answer = value + answer

TextBox2.Text = answer

addloop = False

ElseIf subtloop Then

answer = value - answer

TextBox2.Text = answer

subtloop = False

ElseIf mulloop Then

answer = value \* answer

TextBox2.Text = answer

mulloop = False

ElseIf divloop Then

answer = value / answer

TextBox2.Text = answer

divloop = False

ElseIf sqrloop Then

square()

sqrloop = False

End If

If result Then

TextBox2.Text = 1 / answer

result = False

End If

End If

End Sub

End Class