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Practical No: 8

**1)Greatest of Three – Cancel Button – Run Time**

**CODE:**

Public Class Form1

' Global Declarations

Dim LabelA As New Label()

Dim LabelB As New Label()

Dim LabelC As New Label()

Dim textBoxA As New TextBox()

Dim textBoxB As New TextBox()

Dim textBoxC As New TextBox()

Dim headerLabel As New Label()

Dim cancelBtn As New Button()

Dim checkGreatest As New Button()

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

' Form Tools

headerLabel.Text = "Greatest Of Three Number"

headerLabel.Location = New Point(200, 50)

headerLabel.Font = New Font("Comic Sans MS", 15.0)

headerLabel.Size = New Size(300, 30)

headerLabel.ForeColor = Color.AntiqueWhite

LabelA.Text = "Enter value for A:"

LabelA.Location = New Point(50, 120)

LabelA.Font = New Font("Comic Sans MS", 10.0)

LabelA.Size = New Size(150, 30)

LabelA.ForeColor = Color.AntiqueWhite

LabelB.Text = "Enter value for B:"

LabelB.Location = New Point(50, 180)

LabelB.Font = New Font("Comic Sans MS", 10.0)

LabelB.Size = New Size(150, 30)

LabelB.ForeColor = Color.AntiqueWhite

LabelC.Text = "Enter value for C:"

LabelC.Location = New Point(50, 240)

LabelC.Font = New Font("Comic Sans MS", 10.0)

LabelC.Size = New Size(150, 30)

LabelC.ForeColor = Color.AntiqueWhite

textBoxA.Location = New Point(200, 120)

textBoxB.Location = New Point(200, 180)

textBoxC.Location = New Point(200, 240)

checkGreatest.Location = New Point(200, 300)

checkGreatest.Font = New Font("Comic Sans MS", 10.0)

checkGreatest.Size = New Size(100, 30)

checkGreatest.Text = "Check"

checkGreatest.BackColor = Color.AntiqueWhite

cancelBtn.Location = New Point(400, 300)

cancelBtn.Font = New Font("Comic Sans MS", 10.0)

cancelBtn.Size = New Size(100, 30)

cancelBtn.Text = "Cancel"

cancelBtn.BackColor = Color.AntiqueWhite

Me.Controls.Add(headerLabel)

Me.Controls.Add(LabelA)

Me.Controls.Add(LabelB)

Me.Controls.Add(LabelC)

Me.Controls.Add(textBoxA)

Me.Controls.Add(textBoxB)

Me.Controls.Add(textBoxC)

Me.Controls.Add(checkGreatest)

Me.Controls.Add(cancelBtn)

AddHandler checkGreatest.Click, AddressOf resultClick

AddHandler cancelBtn.Click, AddressOf btnCancelClick

Me.BackColor = Color.FromArgb(30, 30, 30)

End Sub

Private Sub btnCancelClick(sender As Object, e As EventArgs)

Me.Close()

End Sub

Private Sub resultClick(ByVal sender As Object, ByVal e As EventArgs)

' Comparing variables

Dim A As Integer = Integer.Parse(textBoxA.Text)

Dim B As Integer = Integer.Parse(textBoxB.Text)

Dim C As Integer = Integer.Parse(textBoxC.Text)

If A > B Then

If A > C Then

MsgBox("A is Greatest!!")

Else

MsgBox("B is Greatest!!")

End If

ElseIf B > C Then

MsgBox("B is Greatest!!")

Else

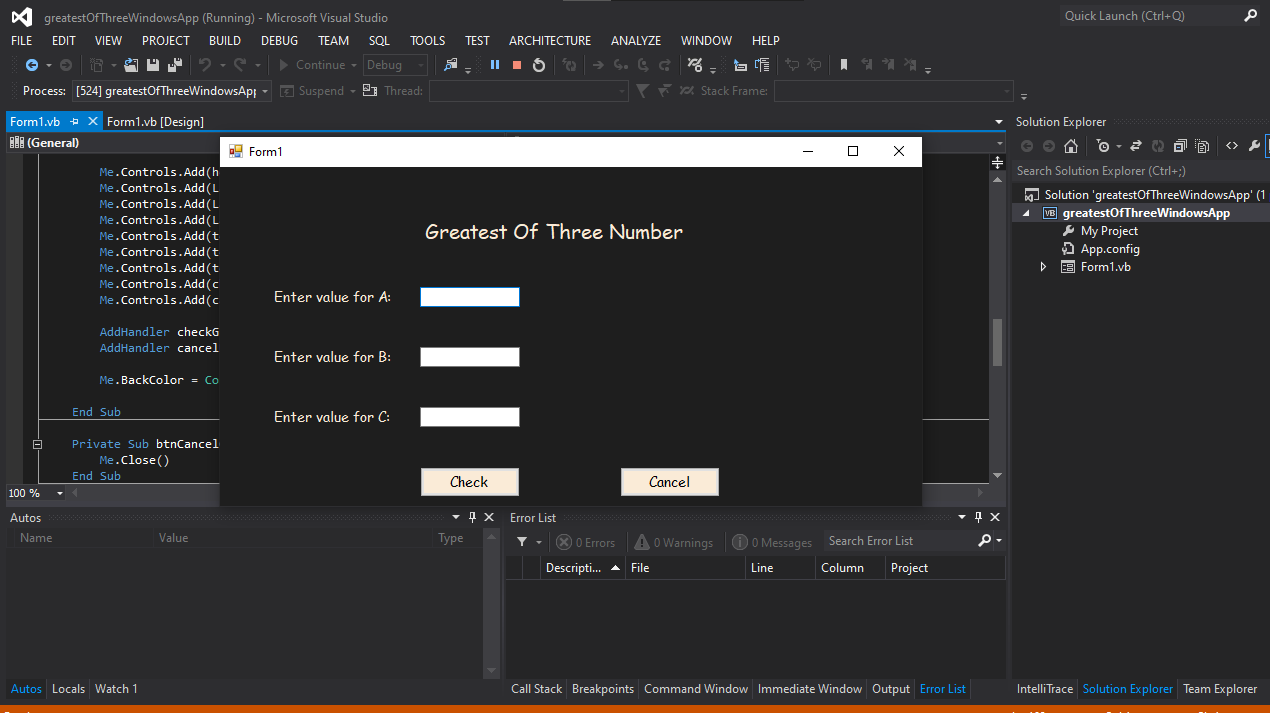
MsgBox("C is Greatest!!")

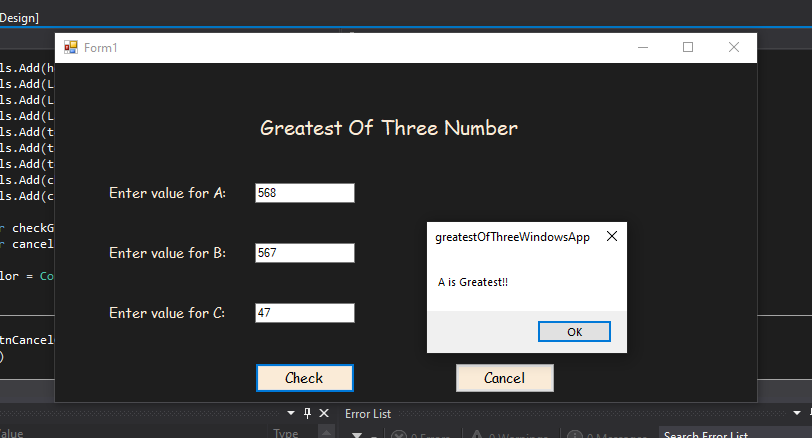
End If

End Sub

End Class

**OUTPUT:**





**2)Basic Calculator – with Clear and Cancel Buttons – Run Time**

**CODE:**

Public Class Form1

Dim appTitle As New Button()

Dim num1Label As New Button()

Dim num2label As New Button()

Dim num1TextBox As New TextBox()

Dim num2TextBox As New TextBox()

Dim userEnteredNum1 As New Integer

Dim userEnteredNum2 As New Integer

Dim addBtn As New Button()

Dim subBtn As New Button()

Dim mulBtn As New Button()

Dim divBtn As New Button()

Dim cancelBtn As New Button()

Dim ansBtn As New Button()

Dim clrbtn As New Button()

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

appTitle.Location = New Point(100, 50)

appTitle.Font = New Font("Comic Sans MS", 18.0)

appTitle.Size = New Size(350, 50)

appTitle.Text = "Arithmetic Menu"

appTitle.BackColor = Color.Gray

num1Label.Location = New Point(100, 150)

num1Label.Font = New Font("Comic Sans MS", 12.0)

num1Label.Size = New Size(150, 50)

num1Label.Text = "Enter Number 1"

num1Label.BackColor = Color.Gray

num1TextBox.Text = "Enter value for A:"

num1TextBox.Location = New Point(300, 160)

num1TextBox.Font = New Font("Comic Sans MS", 10.0)

num1TextBox.Size = New Size(150, 50)

num1TextBox.ForeColor = Color.Gray

num2label.Location = New Point(100, 220)

num2label.Font = New Font("Comic Sans MS", 12.0)

num2label.Size = New Size(150, 50)

num2label.Text = "Enter Number 2"

num2label.BackColor = Color.Gray

num2TextBox.Text = "Enter value for B:"

num2TextBox.Location = New Point(300, 230)

num2TextBox.Font = New Font("Comic Sans MS", 10.0)

num2TextBox.Size = New Size(150, 500)

num2TextBox.ForeColor = Color.Gray

addBtn.Location = New Point(100, 300)

addBtn.Font = New Font("Comic Sans MS", 14.0)

addBtn.Size = New Size(150, 50)

addBtn.Text = "Add"

addBtn.BackColor = Color.Gray

subBtn.Location = New Point(300, 300)

subBtn.Font = New Font("Comic Sans MS", 14.0)

subBtn.Size = New Size(150, 50)

subBtn.Text = "Subtract"

subBtn.BackColor = Color.Gray

mulBtn.Location = New Point(100, 380)

mulBtn.Font = New Font("Comic Sans MS", 14.0)

mulBtn.Size = New Size(150, 50)

mulBtn.Text = "Multiply"

mulBtn.BackColor = Color.Gray

divBtn.Location = New Point(300, 380)

divBtn.Font = New Font("Comic Sans MS", 14.0)

divBtn.Size = New Size(150, 50)

divBtn.Text = "Divide"

divBtn.BackColor = Color.Gray

clrbtn.Location = New Point(100, 470)

clrbtn.Font = New Font("Comic Sans MS", 14.0)

clrbtn.Size = New Size(350, 50)

clrbtn.Text = "Clear"

clrbtn.BackColor = Color.Gray

cancelBtn.Location = New Point(100, 560)

cancelBtn.Font = New Font("Comic Sans MS", 14.0)

cancelBtn.Size = New Size(350, 50)

cancelBtn.Text = "Cancel"

cancelBtn.BackColor = Color.Gray

Me.Controls.Add(appTitle)

Me.Controls.Add(num1Label)

Me.Controls.Add(num2label)

Me.Controls.Add(num1TextBox)

Me.Controls.Add(num2TextBox)

Me.Controls.Add(addBtn)

Me.Controls.Add(subBtn)

Me.Controls.Add(mulBtn)

Me.Controls.Add(divBtn)

Me.Controls.Add(clrbtn)

Me.Controls.Add(cancelBtn)

AddHandler cancelBtn.Click, AddressOf btnCancel

AddHandler clrbtn.Click, AddressOf btnClr

AddHandler addBtn.Click, AddressOf Addbtnclick

AddHandler subBtn.Click, AddressOf Subbtnclick

AddHandler mulBtn.Click, AddressOf Mulbtnclick

AddHandler divBtn.Click, AddressOf Divbtnclick

Me.BackColor = Color.FromArgb(30, 30, 30)

End Sub

Private Sub btnCancel(sender As Object, e As EventArgs)

Me.Close()

End Sub

Private Sub btnClr(sender As Object, e As EventArgs)

num1TextBox.Text = ""

num2TextBox.Text = ""

End Sub

Private Sub Addbtnclick(sender As Object, e As EventArgs)

userEnteredNum1 = num1TextBox.Text

userEnteredNum2 = num2TextBox.Text

MsgBox(userEnteredNum1 & " + " & userEnteredNum2 & " = " & userEnteredNum1 + userEnteredNum2)

End Sub

Private Sub Subbtnclick(sender As Object, e As EventArgs)

userEnteredNum1 = num1TextBox.Text

userEnteredNum2 = num2TextBox.Text

MsgBox(userEnteredNum1 & " - " & userEnteredNum2 & " = " & userEnteredNum1 - userEnteredNum2)

End Sub

Private Sub Mulbtnclick(sender As Object, e As EventArgs)

userEnteredNum1 = num1TextBox.Text

userEnteredNum2 = num2TextBox.Text

MsgBox(userEnteredNum1 & " \* " & userEnteredNum2 & " = " & userEnteredNum1 \* userEnteredNum2)

End Sub

Private Sub Divbtnclick(sender As Object, e As EventArgs)

userEnteredNum1 = num1TextBox.Text

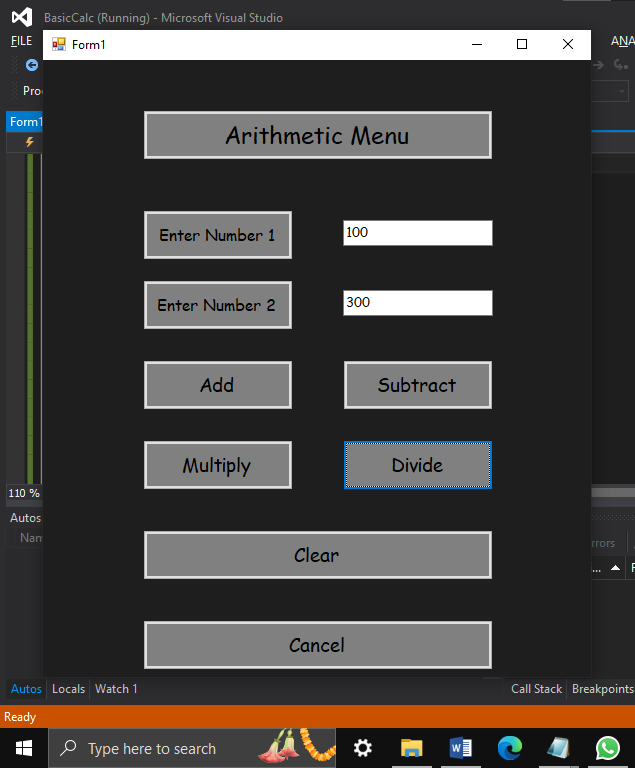
userEnteredNum2 = num2TextBox.Text

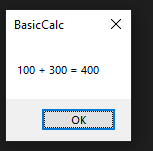
MsgBox(userEnteredNum1 & " / " & userEnteredNum2 & " = " & userEnteredNum1 / userEnteredNum2)

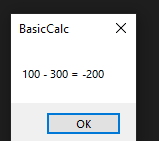
End Sub

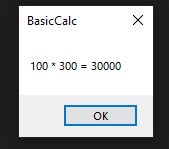
End Class

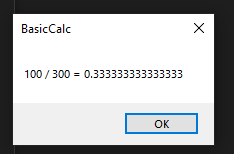
**OUTPUT:**











**3)Login Form – with Cancel Button – Run Time**

**CODE:**

Public Class Form1

Dim appTitle As New Label()

Dim userNameLabel As New Label()

Dim userNameTextBox As New TextBox()

Dim userPasswordLabel As New Label()

Dim userPasswordTextBox As New TextBox()

Dim cancelBtn As New Button()

Dim submitBtn As New Button()

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

appTitle.Text = "Login Form"

appTitle.Location = New Point(140, 50)

appTitle.Font = New Font("Comic Sans MS", 15.0)

appTitle.Size = New Size(300, 30)

appTitle.ForeColor = Color.AntiqueWhite

userNameLabel.Text = "Enter Username here"

userNameLabel.Location = New Point(50, 120)

userNameLabel.Font = New Font("Comic Sans MS", 10.0)

userNameLabel.Size = New Size(150, 30)

userNameLabel.ForeColor = Color.AntiqueWhite

userNameTextBox.Text = "Type here..."

userNameTextBox.Location = New Point(250, 120)

userNameTextBox.Font = New Font("Comic Sans MS", 10.0)

userNameTextBox.Size = New Size(150, 30)

userNameTextBox.ForeColor = Color.Black

userPasswordLabel.Text = "Enter Password here"

userPasswordLabel.Location = New Point(50, 180)

userPasswordLabel.Font = New Font("Comic Sans MS", 10.0)

userPasswordLabel.Size = New Size(150, 30)

userPasswordLabel.ForeColor = Color.AntiqueWhite

userPasswordTextBox.Text = "Type here..."

userPasswordTextBox.Location = New Point(250, 180)

userPasswordTextBox.Font = New Font("Comic Sans MS", 10.0)

userPasswordTextBox.Size = New Size(150, 30)

userPasswordTextBox.ForeColor = Color.Black

submitBtn.Location = New Point(100, 300)

submitBtn.Font = New Font("Comic Sans MS", 10.0)

submitBtn.Size = New Size(100, 30)

submitBtn.Text = "Check"

submitBtn.BackColor = Color.AntiqueWhite

cancelBtn.Location = New Point(300, 300)

cancelBtn.Font = New Font("Comic Sans MS", 10.0)

cancelBtn.Size = New Size(100, 30)

cancelBtn.Text = "Cancel"

cancelBtn.BackColor = Color.AntiqueWhite

Me.Controls.Add(appTitle)

Me.Controls.Add(userNameLabel)

Me.Controls.Add(userNameTextBox)

Me.Controls.Add(userPasswordLabel)

Me.Controls.Add(userPasswordTextBox)

Me.Controls.Add(submitBtn)

Me.Controls.Add(cancelBtn)

AddHandler submitBtn.Click, AddressOf checkB4Sumbit

AddHandler cancelBtn.Click, AddressOf btnCancel\_Click

Me.BackColor = Color.FromArgb(30, 30, 30)

End Sub

Private Sub btnCancel\_Click(sender As Object, e As EventArgs)

Me.Close()

End Sub

Private Sub checkB4Sumbit(sender As Object, e As EventArgs)

Dim password As String = "12345678"

Dim UserName As String = "Yo, Mr. White"

If userNameTextBox.Text = "Yo, Mr. White" Then

If userPasswordTextBox.Text = "12345678" Then

MsgBox("Login Sucessfull!!")

Else

MsgBox("Invalid Password!!")

End If

Else

MsgBox("Invalid Username!!")

End If

End Sub

End Class

**OUTPUT:**

