**MANGULA JOB WAMBUNYA**

**ECS1/39406/18**

CALCULATOR

Public Class Form1

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

Dim firstNumber As Integer

Dim SecondNumber As Integer

Dim Answer As Integer

firstNumber = txtFirstNumber.Text

SecondNumber = txtSecondNumber.Text

txtAnswer.Text = firstNumber + SecondNumber

End Sub

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

Dim FirstNumber As Integer

Dim SecondNumber As Integer

Dim Answer As Integer

FirstNumber = txtFirstNumber.Text

SecondNumber = txtSecondNumber.Text

txtAnswer.Text = FirstNumber - SecondNumber

End Sub

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

Dim FirstNumber As Double

Dim SecondNumber As Double

Dim Answer As Double

FirstNumber = txtFirstNumber.Text

SecondNumber = txtSecondNumber.Text

txtAnswer.Text = FirstNumber \* SecondNumber

End Sub

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

Dim FirstNumber As Integer

Dim SecondNumber As Integer

Dim Answer As Integer

FirstNumber = txtFirstNumber.Text

SecondNumber = txtSecondNumber.Text

txtAnswer.Text = FirstNumber / SecondNumber

End Sub

End Class

GRADE SYSTEM

Private Sub txtMarks\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtMarks.TextChanged

Dim marks As Integer

marks = txtMarks.Text

If marks >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks >= 70 Then

txtGrade.Text = "A"

ElseIf marks >= 60 Then

txtGrade.Text = "B"

ElseIf marks >= 50 Then

txtGrade.Text = "C"

ElseIf marks >= 40 Then

txtGrade.Text = "D"

Else

txtGrade.Text = "F"

End If

End Sub

Private Sub txtMarks1\_TextChanged(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles txtMarks1.TextChanged

Dim marks1 As Integer

marks1 = txtMarks1.Text

If marks1 >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks1 >= 70 Then

txtGrade1.Text = "A"

ElseIf marks1 >= 60 Then

txtGrade1.Text = "B"

ElseIf marks1 >= 50 Then

txtGrade1.Text = "C"

ElseIf marks1 >= 40 Then

txtGrade1.Text = "D"

Else

txtGrade1.Text = "F"

End If

End Sub

Private Sub txtMarks2\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtMarks2.TextChanged

Dim marks2 As Integer

marks2 = txtMarks2.Text

If marks2 >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks2 >= 70 Then

txtGrade2.Text = "A"

ElseIf marks2 >= 60 Then

txtGrade2.Text = "B"

ElseIf marks2 >= 50 Then

txtGrade2.Text = "C"

ElseIf marks2 >= 40 Then

txtGrade2.Text = "D"

Else

txtGrade2.Text = "F"

End If

End Sub

Private Sub txtMarks3\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtMarks3.TextChanged

Dim marks3 As Integer

marks3 = txtMarks3.Text

If marks3 >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks3 >= 70 Then

TxtGrade3.Text = "A"

ElseIf marks3 >= 60 Then

TxtGrade3.Text = "B"

ElseIf marks3 >= 50 Then

TxtGrade3.Text = "C"

ElseIf marks3 >= 40 Then

TxtGrade3.Text = "D"

Else

TxtGrade3.Text = "F"

End If

End Sub

Private Sub txtMarks4\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtMarks4.TextChanged

Dim marks4 As Integer

marks4 = txtMarks4.Text

If marks4 >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks4 >= 70 Then

txtGrade4.Text = "A"

ElseIf marks4 >= 60 Then

txtGrade4.Text = "B"

ElseIf marks4 >= 50 Then

txtGrade4.Text = "C"

ElseIf marks4 >= 40 Then

txtGrade4.Text = "D"

Else

txtGrade4.Text = "F"

End If

End Sub

Private Sub txtMarks5\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtMarks5.TextChanged

Dim marks5 As Integer

marks5 = txtMarks5.Text

If marks5 >= 100 Then

MsgBox("invalid marks,try again")

ElseIf marks5 >= 70 Then

txtGrade5.Text = "A"

ElseIf marks5 >= 60 Then

txtGrade5.Text = "B"

ElseIf marks5 >= 50 Then

txtGrade5.Text = "C"

ElseIf marks5 >= 40 Then

txtGrade5.Text = "D"

Else

txtGrade5.Text = "F"

End If

End Sub

Private Sub txtAverageGrade\_TextChanged(sender As System.Object, e As System.EventArgs)

Dim AverageGrade As Integer

AverageGrade = txtAverageGrade.Text

If AverageGrade >= 100 Then

MsgBox("invalid marks,try again")

ElseIf AverageGrade >= 70 Then

txtAverageGrade.Text = "A"

ElseIf AverageGrade >= 60 Then

txtAverageGrade.Text = "B"

ElseIf AverageGrade >= 50 Then

txtAverageGrade.Text = "C"

ElseIf AverageGrade >= 40 Then

txtGrade.Text = "D"

Else

txtGrade.Text = "F"

End If

End Sub

Private Sub txtAverageMarks\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtAverageMarks.TextChanged

Dim AverageMarks As Integer

AverageMarks = txtAverageMarks.Text

Dim Marks As Integer

Marks = txtMarks.Text

Dim Marks1 As Integer

Marks1 = txtMarks1.Text

Dim Marks2 As Integer

Marks2 = txtMarks2.Text

Dim Marks3 As Integer

Marks3 = txtMarks3.Text

Dim Marks4 As Integer

Marks4 = txtMarks4.Text

Dim Marks5 As Integer

Marks5 = txtMarks5.Text

AverageMarks = txtAverageMarks.Text

AverageMarks = (Marks + Marks1 + Marks2 + Marks3 + Marks4 + Marks5) / 6

End Sub

Private Sub txtTotalMarks\_TextChanged(sender As System.Object, e As System.EventArgs) Handles txtTotalMarks.TextChanged

Dim Marks As Integer

Marks = txtMarks.Text

Dim Marks1 As Integer

Marks1 = txtMarks1.Text

Dim Marks2 As Integer

Marks2 = txtMarks2.Text

Dim Marks3 As Integer

Marks3 = txtMarks3.Text

Dim Marks4 As Integer

Marks4 = txtMarks4.Text

Dim Marks5 As Integer

Marks5 = txtMarks5.Text

Dim TotalMarks As Integer

TotalMarks = (Marks + Marks1 + Marks2 + Marks3 + Marks4 + Marks5)

TotalMarks = txtTotalMarks.Text

End Sub

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

Dim Marks As Integer

Marks = txtMarks.Text

Dim Marks1 As Integer

Marks1 = txtMarks1.Text

Dim Marks2 As Integer

Marks2 = txtMarks2.Text

Dim Marks3 As Integer

Marks3 = txtMarks3.Text

Dim Marks4 As Integer

Marks4 = txtMarks4.Text

Dim Marks5 As Integer

Marks5 = txtMarks5.Text

Dim TotalMarks As Integer

TotalMarks = txtTotalMarks.Text

TotalMarks = (Marks + Marks1 + Marks2 + Marks3 + Marks4 + Marks5)

TotalMarks = txtTotalMarks.Text

End Sub

End Class