Bailey Nichols

CIS015

Professor Anderson

CH05

7) Numbers Project

' Name: Numbers Project

' Purpose: Display a list of numbers using various loops.

' Programmer: <Bailey Nichols> on <3/17/2022>

' Notes: I changed literally nothing, all that needed done was already done when I opened the file, not trying to plagiarize but idk what to actually do

Option Explicit On

Option Strict On

Option Infer Off

Public Class frmMain

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

For intNum As Integer = intFrom To intTo

lstNumbers.Items.Add(intNum)

Next intNum

End If

End Sub

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

Do While intFrom <= intTo

lstNumbers.Items.Add(intFrom)

intFrom += 1

Loop

End If

End Sub

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

Do

lstNumbers.Items.Add(intFrom)

intFrom += 1

Loop While intFrom <= intTo

End If

End Sub

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

Me.Close()

End Sub

Private Sub txtFrom\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtFrom.KeyPress

' Accept only numbers and the Backspace key.

If (e.KeyChar < "0" OrElse e.KeyChar > "9") AndAlso e.KeyChar <> ControlChars.Back Then

e.Handled = True

End If

End Sub

Private Sub txtTo\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtTo.KeyPress

' Accept only numbers and the Backspace key.

If (e.KeyChar < "0" OrElse e.KeyChar > "9") AndAlso e.KeyChar <> ControlChars.Back Then

e.Handled = True

End If

End Sub

Private Sub txtFrom\_Enter(sender As Object, e As EventArgs) Handles txtFrom.Enter

txtFrom.SelectAll()

End Sub

Private Sub txtTo\_Enter(sender As Object, e As EventArgs) Handles txtTo.Enter

txtTo.SelectAll()

End Sub

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

lstNumbers.Items.Clear()

End Sub

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

lstNumbers.Items.Clear()

End Sub

End Class

Graphical user interface, application, Word

Description automatically generated

Graphical user interface, application

Description automatically generated

8) Numbers Modified

' Name: Numbers Project

' Purpose: Display a list of numbers using various loops.

' Programmer: <Bailey Nichols> on <3/17/2022>

' Notes: I changed only what was assigned in assignemnt 7

' I marked my code with notes

Option Explicit On

Option Strict On

Option Infer Off

Public Class frmMain

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

For intNum As Integer = intFrom To intTo

'code i did

If (intNum Mod 2 = 0) Then

lstNumbers.Items.Add(intNum)

End If

'back to not my code

Next intNum

End If

End Sub

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

Do While intFrom <= intTo

lstNumbers.Items.Add(intFrom)

intFrom += 1

Loop

End If

End Sub

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

' Display a list of numbers.

Dim intFrom As Integer

Dim intTo As Integer

Integer.TryParse(txtFrom.Text, intFrom)

Integer.TryParse(txtTo.Text, intTo)

lstNumbers.Items.Clear()

If intFrom < intTo Then

Do

'my code

If (intFrom Mod 2 <> 0) Then

lstNumbers.Items.Add(intFrom)

End If

'back to not my code

intFrom += 1

Loop While intFrom <= intTo

End If

End Sub

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

Me.Close()

End Sub

Private Sub txtFrom\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtFrom.KeyPress

' Accept only numbers and the Backspace key.

If (e.KeyChar < "0" OrElse e.KeyChar > "9") AndAlso e.KeyChar <> ControlChars.Back Then

e.Handled = True

End If

End Sub

Private Sub txtTo\_KeyPress(sender As Object, e As KeyPressEventArgs) Handles txtTo.KeyPress

' Accept only numbers and the Backspace key.

If (e.KeyChar < "0" OrElse e.KeyChar > "9") AndAlso e.KeyChar <> ControlChars.Back Then

e.Handled = True

End If

End Sub

Private Sub txtFrom\_Enter(sender As Object, e As EventArgs) Handles txtFrom.Enter

txtFrom.SelectAll()

End Sub

Private Sub txtTo\_Enter(sender As Object, e As EventArgs) Handles txtTo.Enter

txtTo.SelectAll()

End Sub

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

lstNumbers.Items.Clear()

End Sub

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

lstNumbers.Items.Clear()

End Sub

End Class

Graphical user interface, application

Description automatically generated

9) Discount Solution

' Name: Discount Project

' Purpose: Display a discount based on the selection from a tect box

' Programmer: <Bailey Nichols> on <3/17/2022>

Option Explicit On

Option Strict On

Option Infer Off

Public Class frmMain

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

End

End Sub

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

Dim dblOrigPrice As Double = 0

Dim dblDiscountRate As Double = 0

'first select what discount

If ListBox1.SelectedIndex = 0 Then '10

dblDiscountRate = 0.9

ElseIf ListBox1.SelectedIndex = 1 Then '15

dblDiscountRate = 0.85

ElseIf ListBox1.SelectedIndex = 2 Then '20

dblDiscountRate = 0.8

ElseIf ListBox1.SelectedIndex = 3 Then '25

dblDiscountRate = 0.75

ElseIf ListBox1.SelectedIndex = 4 Then '30

dblDiscountRate = 0.7

ElseIf ListBox1.SelectedIndex = 5 Then '35

dblDiscountRate = 0.65

ElseIf ListBox1.SelectedIndex = 1 Then '40

dblDiscountRate = 0.6

End If

'get number

dblOrigPrice = Double.Parse(tbPrice.Text)

'now multiply and display

dblOrigPrice = dblDiscountRate \* dblOrigPrice

lblDisplayDiscountPrice.Text = dblOrigPrice.ToString("c")

End Sub

End Class

