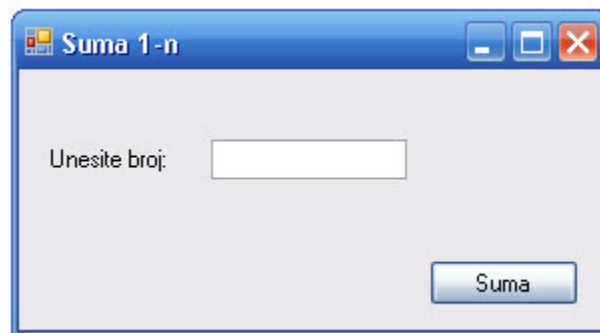


## Druge laboratorijske vježbe

Primjer 6. Iteracija For – suma brojeva od 1 do N.

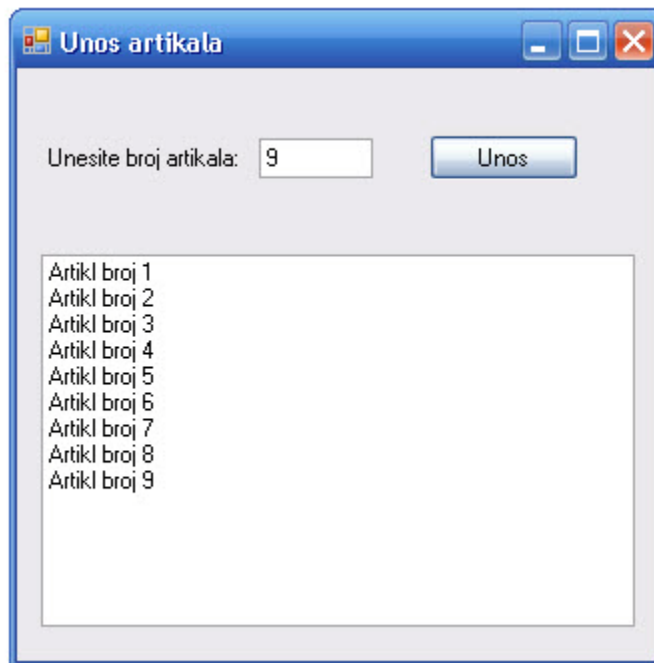
```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    Dim n, i, suma As Integer
    n = TextBox1.Text
    For i = 1 To n
        suma += i
    Next
    MsgBox("Suma brojeva od 1 do " & n & " iznosi " & suma)
End Sub
```



Primjer 7. Iteracija For – unos artikala u listu.

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
    Dim n, i As Integer
    n = TextBox1.Text
    ObrisiListu()
    For i = 1 To n
        ListBox1.Items.Add("Artikl broj " & i.ToString)
    Next
End Sub

Private Sub ObrisiListu()
    ListBox1.Items.Clear()
End Sub
```



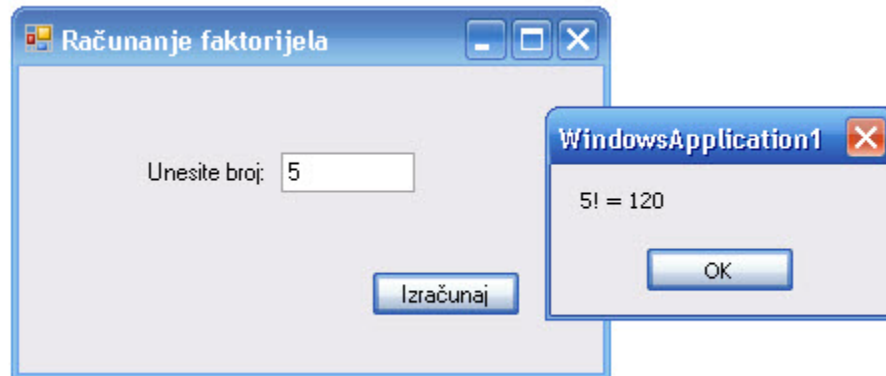
#### Primjer 8. Iteracija While – Izračun faktoriijela

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
```

```
    Dim n, i As Integer
    Dim fjel As Long
    n = TextBox1.Text
    i = 2
    fjel = 1
    While i <= n
        fjel *= i
        i = i + 1
    End While

    MsgBox(n & "! = " & fjel)
```

```
End Sub
```



### Primjer 9. Iteracija While – Ispis parnih i neparnih brojeva

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button1.Click
```

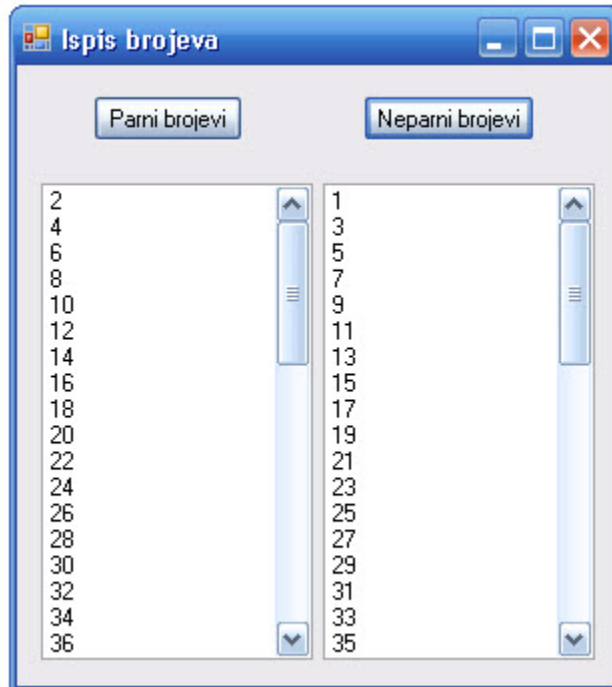
```
    Dim a As Integer  
    a = 2  
    ObrisiPListu()  
    While a <= 100  
        ListBox1.Items.Add(a.ToString)  
        a += 2  
    End While  
End Sub
```

```
Private Sub Button2_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Button2.Click
```

```
    Dim a As Integer  
    a = 1  
    ObrisiNListu()  
    While a <= 100  
        ListBox2.Items.Add(a.ToString)  
        a += 2  
    End While  
End Sub
```

```
Private Sub ObrisiPListu()  
    ListBox1.Items.Clear()  
End Sub
```

```
Private Sub ObrisiNListu()  
    ListBox2.Items.Clear()  
End Sub
```



Primjer 10. Iteracija Do-While – Fahrenheit u Celzijuse

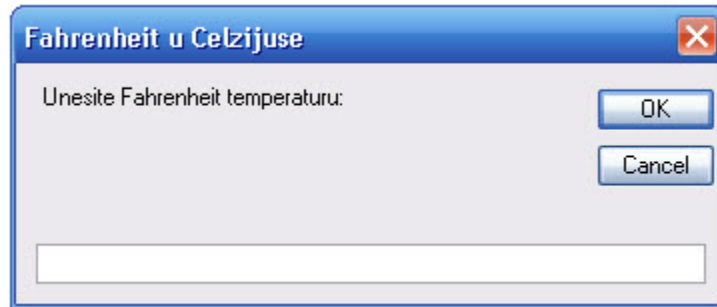
```
Private Sub Form1_Load(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles MyBase.Load
    Dim FTemp, CTemp As Single
    Dim strFTemp As String
    Dim Prompt As String = "Unesite Fahrenheit temperaturu: "
    Do
        strFTemp = InputBox(Prompt, "Fahrenheit u Celzijuse")

        If strFTemp <> "" Then
            FTemp = CSng(strFTemp)
            CTemp = Int((FTemp + 40) * 5 / 9 - 40)
            MsgBox(CTemp, , "Temperatura u Celzijusu")

        End If

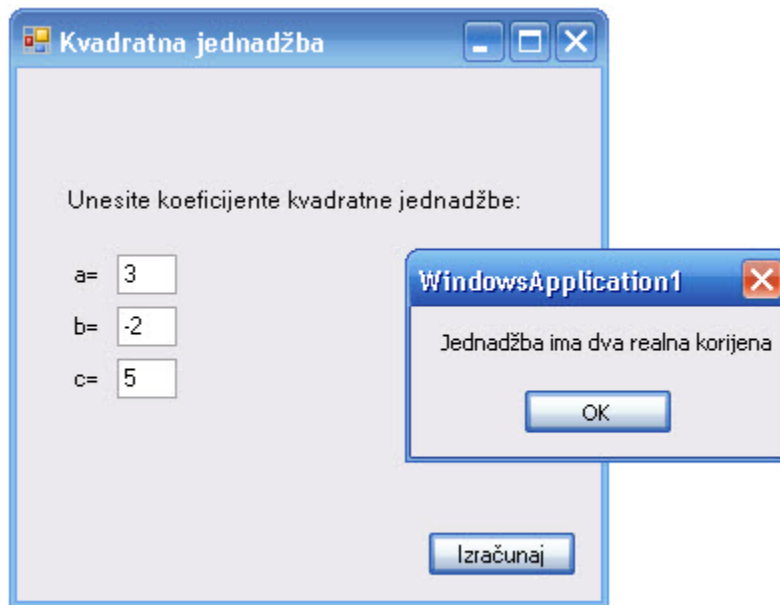
    Loop While strFTemp <> ""

End Sub
```



Zadatak 2. Izradite program koji će za unesene koeficijente a, b i c izračunati diskriminantu kvadratne jednadžbe te ovisno o njenom rezultatu ispisati odgovarajuću poruku (jednadžba ima dvostruki realni korijen, dva realna korijena ili kompleksne korijene).

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim a, b, c As Single
    a = TextBox1.Text
    b = TextBox2.Text
    c = TextBox3.Text
    Dim diskriminanta As Single = b * b * 4 - a * c
    If diskriminanta = 0 Then
        MsgBox("Jednadžba ima dvostruki realni korijen")
    ElseIf diskriminanta > 0 Then
        MsgBox("Jednadžba ima dva realna korijena")
    Else
        MsgBox("Jednadžba ima kompleksne korijene")
    End If
End Sub
```

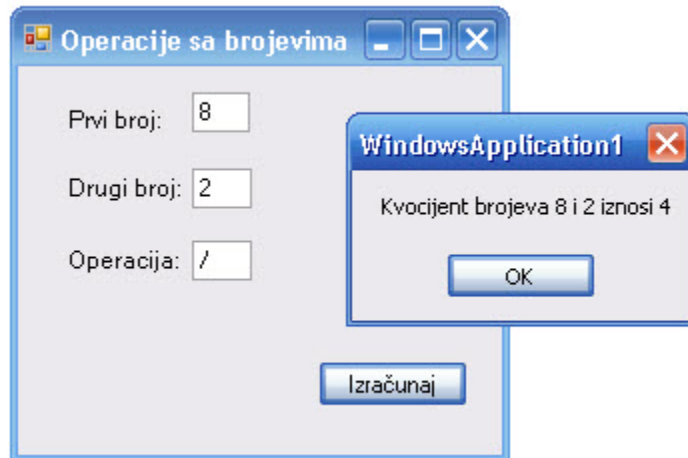


Zadatak 3. Napište program koji će ovisno o unesenim brojevima i unesenoj operaciji ispisati rezultat.

```

Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim a, b, rezultat As Single
    Dim operacija As String
    a = TextBox1.Text
    b = TextBox2.Text
    operacija = TextBox3.Text
    Select Case operacija
        Case "+"
            rezultat = a + b
            MsgBox("Suma brojeva " & a & " i " & b & " iznosi " &
rezultat)
        Case "-"
            rezultat = a - b
            MsgBox("Razlika brojeva " & a & " i " & b & " iznosi " &
rezultat)
        Case "*"
            rezultat = a * b
            MsgBox("Umnožak brojeva " & a & " i " & b & " iznosi " &
rezultat)
        Case "/"
            rezultat = a / b
            MsgBox("Kvocijent brojeva " & a & " i " & b & " iznosi " &
rezultat)
        Case Else
            MsgBox(operacija & " nije ispravna operacija!")
    End Select
End Sub

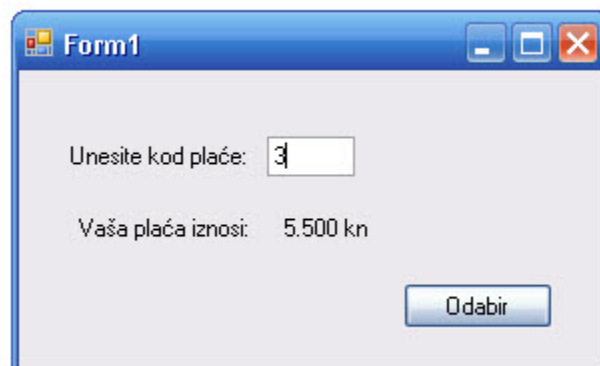
```



### Primjer 11. Jednodimenzionalno polje sa cjelobrojnim vrijednostima

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim place() As Integer = {2500, 3500, 5500, 7000, 8000, 9500}
    Dim kod As Integer
    Integer.TryParse(TextBox1.Text, kod)
    If kod >= 1 AndAlso kod <= 6 Then
        Label1.Text = place(kod - 1).ToString("C0")
    Else
        MessageBox.Show("Unesite kod između 1 i 6.", "FOI Varaždin",
        MessageBoxButtons.OK, MessageBoxIcon.Information)
    End If

    TextBox1.Focus()
End Sub
```



Primjer 12.

```
Private Sub Button1_Click(ByVal sender As System.Object, ByVal e As
System.EventArgs) Handles Button1.Click
    Dim place() As Integer = {2500, 3500, 5500, 7000, 8000, 9500}
    Dim brojac, trazi As Integer
    Integer.TryParse(TextBox1.Text, trazi)

    For Each iznos_place As Integer In place
        If iznos_place > trazi Then
            brojac += 1
        End If
    Next iznos_place

    Label1.Text = brojac.ToString

    TextBox1.Focus()

End Sub
```

