Public Class Form1

Dim a As Integer, click1 As Integer

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

If a = 1 Then

Button3.Enabled = False

Button2.Enabled = False

Label1.Text = "Critical section is used by procss-C"

click1 = click1 + 1

End If

If click1 Mod 2 <> 0 Then

Button3.Enabled = True

Button2.Enabled = True

Label1.Text = "Critical section is free"

a = 1

End If

End Sub

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

a = 1

click1 = -1

End Sub

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

If a = 1 Then

Button3.Enabled = False

Button1.Enabled = False

Label1.Text = "Critical section is used by procss-A"

click1 = click1 + 1

End If

If click1 Mod 2 <> 0 Then

Button3.Enabled = True

Button1.Enabled = True

Label1.Text = "Critical section is free"

a = 1

End If

End Sub

Private Sub Label2\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label2.Click

End Sub

Private Sub Label1\_Click(ByVal sender As System.Object, ByVal e As System.EventArgs) Handles Label1.Click

End Sub

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

If a = 1 Then

Button2.Enabled = False

Button1.Enabled = False

Label1.Text = "Critical section is used by procss-B"

click1 = click1 + 1

End If

If click1 Mod 2 <> 0 Then

Button2.Enabled = True

Button1.Enabled = True

Label1.Text = "Critical section is free"

a = 1

End If

End Sub

End Class