frmMain()

centerScreen()

Sub centerScreen

' This will get the user's system screen width & height divided by 2

' and subtract it from the Form's width & height dived by 2

' to center the form on app load

gw = GraphicsWindow.Width

gh = GraphicsWindow.Height

dw = Desktop.Width

dh = Desktop.Height

GraphicsWindow.Left = (dw / 2) - (gw / 2)

GraphicsWindow.Top = (dh / 2) - (gh / 2)

EndSub

' Build Frame

Sub frmMain

GraphicsWindow.CanResize = 0

GraphicsWindow.Width = 400

GraphicsWindow.Height = 350

GraphicsWindow.Title = "Office Hours"

GraphicsWindow.BackgroundColor = GraphicsWindow.GetColorFromRGB(240, 240, 240)

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.Show()

' Enable the listener for Button Events

Controls.ButtonClicked = buttonClicked

' Buttons:

closeButton = Controls.AddButton("Close",290,290)

Controls.SetSize(closeButton,100,50)

' Labels & textBoxes:

GraphicsWindow.BrushColor = "black"

GraphicsWindow.FillRectangle(10,70,380,50)

GraphicsWindow.BrushColor = "#c9fffb"

GraphicsWindow.FillRectangle(11,71,378,48)

centerText()

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.FontBold = "True"

GraphicsWindow.DrawBoundText(10,30,100, "Current Time:")

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.FontBold = "True"

GraphicsWindow.DrawBoundText(10,150,130, "Portland Office:")

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.FontBold = "True"

GraphicsWindow.DrawBoundText(10,200,130, "New York Office:")

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.FontBold = "True"

GraphicsWindow.DrawBoundText(10,250,130, "London Office:")

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "darkblue"

GraphicsWindow.FontBold = "True"

GraphicsWindow.DrawBoundText(300,30,100, "17:28:32 PST")

GraphicsWindow.FontBold = "False"

port\_hour = Clock.Hour

port\_min = Clock.Minute

GraphicsWindow.FontBold = "True"

getPortTime()

GraphicsWindow.DrawBoundText(150,150,250, port\_time + " " + port\_amPm + " - The Oregon branch is " + port\_open + ".")

getNyTime()

GraphicsWindow.DrawBoundText(150,200,250, ny\_time + " " + ny\_amPm + " - The NY City branch is " + ny\_open + ".")

getLonTime()

GraphicsWindow.DrawBoundText(150,250,250, lon\_time + " " + lon\_amPm + " - The London branch is " + lon\_open + ".")

GraphicsWindow.FontBold = "False"

GraphicsWindow.BrushColor = "black"

EndSub

Sub centerText

' Character return + Line-feed

CR = Text.GetCharacter(13) + Text.GetCharacter(10)

'GraphicsWindow.FontName = "Tahoma"

'GraphicsWindow.FontSize = 12

GraphicsWindow.BrushColor = "Black"

GraphicsWindow.FontBold = "True"

text1 = "All office hours are from:"

text2 = "9:00 am to 9:00 pm, or (0900) to (2100)."

'Text.GetLength(caption) means the number of characters in the caption. Default font size (height) is

'12 pixels and gross average width of the default font (Tahoma) assumed to be 7 pixels

'in this program. If the window width is gw, centering x position of the caption will be as follows.

wCaption1 = (Text.GetLength(text1) + 2) \* 12 \* .4

wCaption2 = (Text.GetLength(text2) + 2) \* 12 \* .48

x1 = Math.Floor((378 - wCaption1) / 2)

x2 = Math.Floor((378 - wCaption2) / 2)

GraphicsWindow.DrawBoundText(x1,75,378, text1)

GraphicsWindow.DrawBoundText(x2,100,378, text2)

'Or, if you use "Courier New" font, the font width is 0.6 times the font height. So, if the font size (height)

'is 12, you can calculate caption width as follows.

' wCaption = (Text.GetLength(caption) + 2) \* 12 \* 0.6

EndSub

' Define the Event functions

Sub buttonClicked

lastButton = Controls.LastClickedButton

If lastButton = closeButton Then

Program.End()

EndIf

EndSub

Sub getPortTime

If port\_hour = 1 Then

port\_time = 1

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 2 Then

port\_time = 2

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 3 Then

port\_time = 3

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 4 Then

port\_time = 4

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 5 Then

port\_time = 5

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 6 Then

port\_time = 6

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 7 Then

port\_time = 7

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 8 Then

port\_time = 8

port\_amPm = "Am"

port\_open = "false"

ElseIf port\_hour = 9 Then

port\_time = 9

port\_amPm = "Am"

port\_open = "true"

ElseIf port\_hour = 10 Then

port\_time = 10

port\_amPm = "Am"

port\_open = "true"

ElseIf port\_hour = 11 Then

port\_time = 11

port\_amPm = "Am"

port\_open = "true"

ElseIf port\_hour = 12 Then

port\_time = 12

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 13 Then

port\_time = 1

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 14 Then

port\_time = 2

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 15 Then

port\_time = 3

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 16 Then

port\_time = 4

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 17 Then

port\_time = 5

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 18 Then

port\_time = 6

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 19 Then

port\_time = 7

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 20 Then

port\_time = 8

port\_amPm = "Pm"

port\_open = "true"

ElseIf port\_hour = 21 Then

port\_time = 9

port\_amPm = "Pm"

port\_open = "false"

ElseIf port\_hour = 22 Then

port\_time = 10

port\_amPm = "Pm"

port\_open = "false"

ElseIf port\_hour = 23 Then

port\_time = 11

port\_amPm = "Pm"

port\_open = "false"

ElseIf port\_hour = 0 Then

port\_time = 12

port\_amPm = "Am"

port\_open = "false"

EndIf

If port\_open = "true" Then

port\_open = "Open"

GraphicsWindow.BrushColor = "green"

Else

port\_open = "Closed"

GraphicsWindow.BrushColor = "red"

EndIf

EndSub

Sub getNyTime

ny\_hour = port\_hour + 3

If ny\_hour = 1 Then

ny\_time = 1

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 2 Then

ny\_time = 2

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 3 Then

ny\_time = 3

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 4 Then

ny\_time = 4

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 5 Then

ny\_time = 5

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 6 Then

ny\_time = 6

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 7 Then

ny\_time = 7

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 8 Then

ny\_time = 8

ny\_amPm = "Am"

ny\_open = "false"

ElseIf ny\_hour = 9 Then

ny\_time = 9

ny\_amPm = "Am"

ny\_open = "true"

ElseIf ny\_hour = 10 Then

ny\_time = 10

ny\_amPm = "Am"

ny\_open = "true"

ElseIf ny\_hour = 11 Then

ny\_time = 11

ny\_amPm = "Am"

ny\_open = "true"

ElseIf ny\_hour = 12 Then

ny\_time = 12

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 13 Then

ny\_time = 1

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 14 Then

ny\_time = 2

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 15 Then

ny\_time = 3

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 16 Then

ny\_time = 4

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 17 Then

ny\_time = 5

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 18 Then

ny\_time = 6

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 19 Then

ny\_time = 7

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 20 Then

ny\_time = 8

ny\_amPm = "Pm"

ny\_open = "true"

ElseIf ny\_hour = 21 Then

ny\_time = 9

ny\_amPm = "Pm"

ny\_open = "false"

ElseIf ny\_hour = 22 Then

ny\_time = 10

ny\_amPm = "Pm"

ny\_open = "false"

ElseIf ny\_hour = 23 Then

ny\_time = 11

ny\_amPm = "Pm"

ny\_open = "false"

ElseIf ny\_hour = 0 Then

ny\_time = 12

ny\_amPm = "Am"

ny\_open = "false"

EndIf

If ny\_open = "true" Then

ny\_open = "Open"

GraphicsWindow.BrushColor = "green"

Else

ny\_open = "Closed"

GraphicsWindow.BrushColor = "red"

EndIf

EndSub

Sub getLonTime

lon\_hour = port\_hour + 8

If lon\_hour = 1 Then

lon\_time = 1

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 2 Then

lon\_time = 2

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 3 Then

lon\_time = 3

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 4 Then

lon\_time = 4

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 5 Then

lon\_time = 5

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 6 Then

lon\_time = 6

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 7 Then

lon\_time = 7

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 8 Then

lon\_time = 8

lon\_amPm = "Am"

lon\_open = "false"

ElseIf lon\_hour = 9 Then

lon\_time = 9

lon\_amPm = "Am"

lon\_open = "true"

ElseIf lon\_hour = 10 Then

lon\_time = 10

lon\_amPm = "Am"

lon\_open = "true"

ElseIf lon\_hour = 11 Then

lon\_time = 11

lon\_amPm = "Am"

lon\_open = "true"

ElseIf lon\_hour = 12 Then

lon\_time = 12

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 13 Then

lon\_time = 1

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 14 Then

lon\_time = 2

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 15 Then

lon\_time = 3

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 16 Then

lon\_time = 4

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 17 Then

lon\_time = 5

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 18 Then

lon\_time = 6

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 19 Then

lon\_time = 7

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 20 Then

lon\_time = 8

lon\_amPm = "Pm"

lon\_open = "true"

ElseIf lon\_hour = 21 Then

lon\_time = 9

lon\_amPm = "Pm"

lon\_open = "false"

ElseIf lon\_hour = 22 Then

lon\_time = 10

lon\_amPm = "Pm"

lon\_open = "false"

ElseIf lon\_hour = 23 Then

lon\_time = 11

lon\_amPm = "Pm"

lon\_open = "false"

ElseIf lon\_hour = 0 Then

lon\_time = 12

lon\_amPm = "Am"

lon\_open = "false"

EndIf

If lon\_open = "true" Then

lon\_open = "Open"

GraphicsWindow.BrushColor = "green"

Else

lon\_open = "Closed"

GraphicsWindow.BrushColor = "red"

EndIf

EndSub