LAB GOALS

Printing the Form

The following code segment should be inserted in your program “AS IS” in order for the print module to work correctly.

Step1: Create a user interface similar to the one shown. Using the toolbox, add two Buttons, and a PrintDocument control to your form.

Step2: Double click the “Quit” button, and code the event handler.

Step 3: Double click the “Print GUI Window” button and enter the following code in its event handler.

'Print the current form
CaptureScreen()
PrintDocument1.Print()
Step 4: Copy the code below and place it above the event handler for the Quit button.

'------------------------------------------------
'Print Screen
'-----------------
'This example prints a copy of the current form.

Private Declare Function BitBlt Lib "gdi32.dll" Alias "BitBlt" (ByVal _
hdcDest As IntPtr, ByVal nXDest As Integer, ByVal nYDest As _
Integer, ByVal nWidth As Integer, ByVal nHeight As Integer, ByVal _
hdcSrc As IntPtr, ByVal nXSrc As Integer, ByVal nYSrc As Integer, _
ByVal dwRop As System.Int32) As Long

'------------------------------------------------
Dim memoryImage As Bitmap

'------------------------------------------------
Private Sub CaptureScreen()
    Dim mygraphics As Graphics = Me.CreateGraphics()
    Dim s As Size = Me.Size
    memoryImage = New Bitmap(s.Width, s.Height, mygraphics)
    Dim memoryGraphics As Graphics = Graphics.FromImage(memoryImage)
    Dim dc1 As IntPtr = mygraphics.GetHdc
    Dim dc2 As IntPtr = memoryGraphics.GetHdc
    BitBlt(dc2, 0, 0, Me.ClientRectangle.Width, _
        Me.ClientRectangle.Height, dc1, 0, 0, 13369376)
    mygraphics.ReleaseHdc(dc1)
    memoryGraphics.ReleaseHdc(dc2)
End Sub

'------------------------------------------------
    e.Graphics.DrawImage(memoryImage, 0, 0)
End Sub

Step 5: Compile and Run your program. Now, press the “Print GUI Window” Button.