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'-----Title-----
' File.....vb_led1
' Started....1/20/09
' Microcontroller used:  Microchip Technology PIC16F88
'                          microchip.com

'-----Program Description-----
' Visual Basic.NET program controls PIC16F88 to turn on and off an LED.
' PIC microcontroller is programmed in PicBasic Pro.
' PicBasic Pro Code: micro-Engineering Labs, Inc.
'                          melabs.com

'--Free Visual Basic 2008 Express Edition--
' To download VB 2008 Express Edition, see:
' http://www.microsoft.com/express/download/

'-----PicBasic Pro Code-----
' For the PicBasic Pro code that interfaces with this VB.NET program,
' see: http://www.cornerstonerobotics.org/code/pbp_vb_led1.pdf

'---Properties for Objects on VB Form---
'
'   Object      Property      Setting
'   -----      -
'   Labell      Text          "LED On/Off"
'   Radiobutton1  Text         "Off"
'   Radiobutton2  Text         "On"
'   Button1      Name          "btnSend"
'   Button1      Text          "Send"
'   Form1       Name          "LED_Control"
'   Form1       Text          "LED Control"

'-----Main Code-----

Imports System
Imports System.IO.Ports

Public Class LED_Control
    Friend myComPort As New SerialPort
    Private Sub btnSend_Click(ByVal sender As System.Object, ByVal e As System.EventArgs)
Handles btnSend.Click
        myComPort.BaudRate = 9600
        myComPort.Parity = Parity.None
        myComPort.DataBits = 8
        myComPort.StopBits = StopBits.One
        myComPort.Open()
        Dim PinState(0) As Byte
        If RadioButton1.Checked = True Then
            PinState(0) = 0
        Else
            PinState(0) = 1
        End If
        myComPort.Write(PinState, 0, 1)
        myComPort.Close()
    End Sub
End Class

```