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Public Sub Form_Load()  
' Initialize the I2C address's to match the EZ-USB development board  
WriteAddress.Text = "42": ReadAddress.Text = "41"  
' Clear the display windows  
WriteWindow.Text = "": ReadWindow.Text = ""  
End Sub  
  
Private Sub ReadI2C_Click()  
' Send a I2C bus read request to the I0 device  
Dim OutBuffer(2) As Byte: Dim InBuffer(2) As Byte  
OutBuffer(0) = ReturnHexByte(ReadAddress.Text)  
OutBuffer(1) = 0 ' Required pad  
Call WriteUSBdevice(AddressFor(OutBuffer(0)), 2)  
' I/O device will respond with an Input Report  
' This version sends a single byte  
Call ReadUSBdevice(AddressFor(InBuffer(0)), 2)  
ReadWindow.Text = TwoHexCharacters(InBuffer(0))  
End Sub  
  
Private Sub WriteI2C_Click()  
' Send the data in "WriteWindow" to the I2C "WriteAddress"  
Dim Buffer(2) As Byte  
Buffer(0) = ReturnHexByte(WriteAddress.Text)  
Buffer(1) = ReturnHexByte(WriteWindow.Text)  
Call WriteUSBdevice(AddressFor(Buffer(0)), 2)  
End Sub  
  
Private Sub ReadFile_Click()  
' Not implemented in this version  
End Sub  
  
Private Sub WriteFile_Click()  
' Not implemented in this version  
End Sub
```