**Arduino e visual basic**

**Codice VB per far accendere o spegne due led**

Public Class Form1

Shared \_continue As Boolean

Shared \_serialPort As SerialPort

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

SerialPort1.Close()

Attenzione alla scelta della porta com. Inserire prima la seriale per vedere su quale porta il pc sta comunicando. Dopo ciò si può correggere il codice in vb mettendo la porta opportuna

SerialPort1.PortName = "com7"

SerialPort1.BaudRate = 9600

SerialPort1.DataBits = 8

SerialPort1.Parity = Parity.None

SerialPort1.StopBits = StopBits.One

SerialPort1.Handshake = Handshake.None

SerialPort1.Encoding = System.Text.Encoding.Default

End Sub

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

SerialPort1.Open()

SerialPort1.Write("0")

SerialPort1.Close()

End Sub

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

SerialPort1.Open()

SerialPort1.Write("1")

SerialPort1.Close()

End Sub

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

SerialPort1.Open()

SerialPort1.Write("2")

SerialPort1.Close()

End Sub

Private Sub Button4\_Click(sender As Object, e As EventArgs) Handles Button4.Click

SerialPort1.Open()

SerialPort1.Write("3")

SerialPort1.Close()

End Sub

Private Sub Button5\_Click(sender As Object, e As EventArgs) Handles Button5.Click

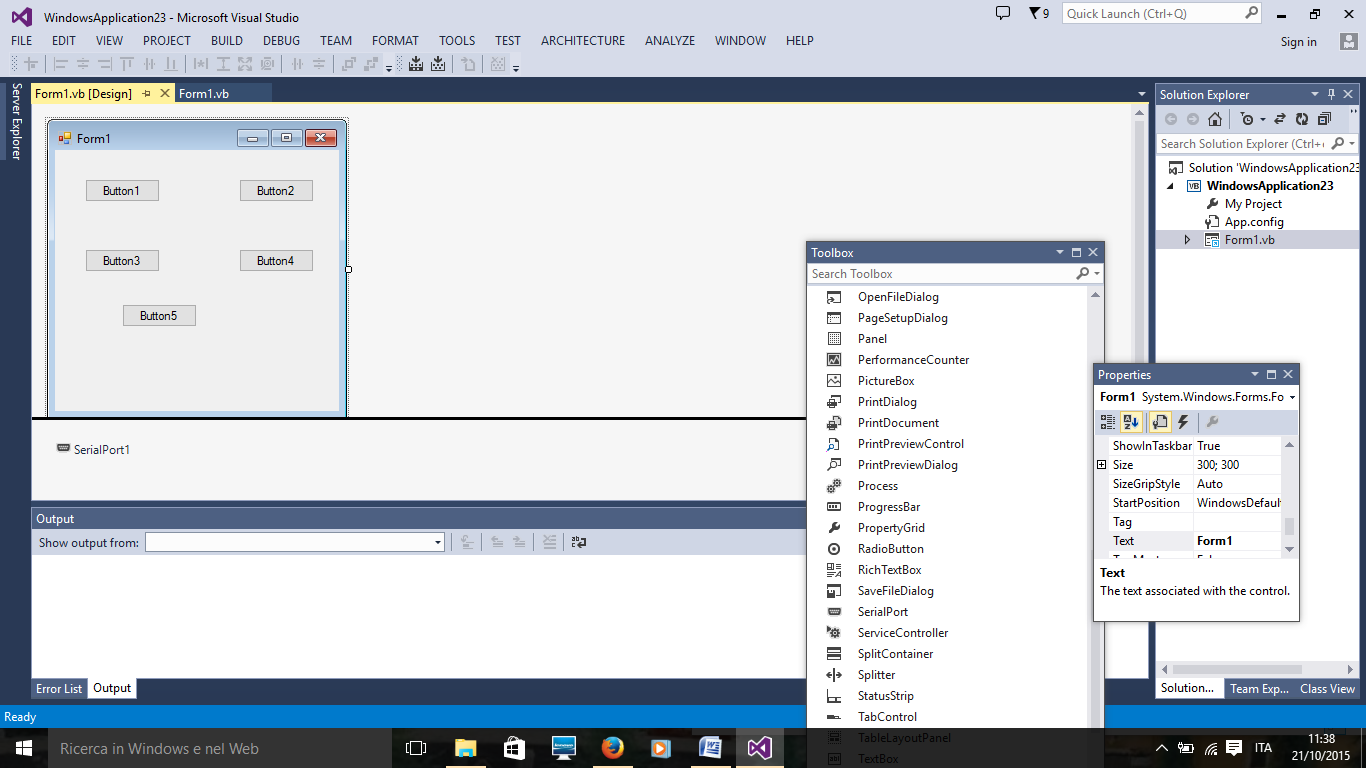
SerialPort1.Open()

SerialPort1.Write("4")

SerialPort1.Close()

End Sub

End Class



Attenzione ad inserire SerialPort1

**Codice Arduino**

void setup()

{

pinMode(4,OUTPUT);

pinMode(5,OUTPUT);

Serial.begin(9600);

}

void loop()

{

int comando;

if (Serial.available()){

delay(100);

while(Serial.available()>0){

comando=Serial.read();

if(comando=='0')

digitalWrite(4,LOW);

if(comando=='1')

digitalWrite(4,HIGH);

if(comando=='2')

digitalWrite(5,LOW);

if(comando=='3')

digitalWrite(5,HIGH);

if (comando=='4'){digitalWrite(4,LOW);

digitalWrite(5,LOW);

}

}

}

}