**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);

}

 }

 }

 }