

```
#Region Project Attributes
```

```
#AutoFlushLogs: True
```

```
#CheckArrayBounds: True
```

```
#StackBufferSize: 300
```

```
#End Region
```

```
'Ctrl+Click to open the C code folder:
```

```
ide://run?File=%WINDIR%\System32\explorer.exe&Args=%PROJECT%\Objects\Src
```

```
Sub Process_Globals
```

```
Public Serial1 As Serial
```

```
Public LCD As TM1637Display
```

```
Public monoAnalog As Pin
```

```
Public red As Pin
```

```
Public green As Pin
```

```
Public buzzer As Pin
```

```
Public carbon As Double
```

```
End Sub
```

```
Private Sub AppStart
```

```
Serial1.Initialize(115200)
```

```
Log("AppStart")
```

```
LCD.Initialize(3,2)
```

```
monoAnalog.Initialize(monoAnalog.A2,monoAnalog.MODE_INPUT)
```

```
red.Initialize(5,red.MODE_OUTPUT)
```

```
green.Initialize(6,green.MODE_OUTPUT)
```

```
buzzer.Initialize(7,buzzer.MODE_OUTPUT)
```

```
Do While 1=1
```

```
carbon=monoAnalog.AnalogRead
```

```
Log(carbon)
```

```
LCD.ShowNumberDec(carbon)
```

```
If carbon < 60 Then
```

```
green.DigitalWrite(True)
```

```
buzzer.DigitalWrite(False)
```

```
red.DigitalWrite(False)
```

```
Else
```

```
red.DigitalWrite(True)
```

```
green.DigitalWrite(False)
```

```
buzzer.DigitalWrite(True)
```

```
End If
```

```
Delay(2000)
```

```
Loop
```

```
End Sub
```