

```
1
2 #Region Project Attributes
3     #AutoFlushLogs: True
4     #CheckArrayBounds: True
5     #StackBufferSize: 300
6 #End Region
7
8 Sub Process_Globals
9     Public Serial1 As Serial
10    Private PinBoutonHeures As Pin
11    Private PinBoutonMinutes As Pin
12    Private PinGOClock As Pin
13    Private LCD As LiquidCrystal_I2C
14    Private h=0 As UInt
15    Private m=0 As UInt
16    Private s=0 As UInt
17    Private fois=0 As UInt
18 End Sub
19
20
21 Private Sub AppStart
22     Serial1.Initialize(115200)
23     Log("AppStart")
24     PinGOClock.Initialize(PinBoutonHeures.A0, PinGOClock.MODE_INPUT_PULLUP)
25     PinGOClock.AddListener("PinGOClock_StateChanged")
26     PinBoutonHeures.Initialize(PinBoutonHeures.A1, PinBoutonHeures.MODE_INPUT_PULLUP)
27     PinBoutonHeures.AddListener("pinBoutonHeures_StateChanged")
28     PinBoutonMinutes.Initialize(PinBoutonMinutes.A2, PinBoutonMinutes.MODE_INPUT_PULLUP)
29     PinBoutonMinutes.AddListener("pinBoutonMinutes_StateChanged")
30     LCD.Initialize(0x27, 16, 2) ' Initialisation de l'écran LCD avec 2 lignes de 16
    caractères
31     LCD.Backlight = True
32     LCD.Write("Ajustez l'heure")
33     LCD.SetCursor(0,1)
34     LCD.Write("avec les boutons")
35 End Sub
36
37
38 Private Sub pinBoutonHeures_StateChanged(State1 As Boolean) 'Réglage des heures
39     Log("État: ", State1) 'Log la valeur de State1
40     If State1 = False Then
41         If fois <> 1 Then
42             LCD.Clear
43             LCD.Write("Ajustez l'heure")
44             LCD.SetCursor(4,1)
45             LCD.Write(NumberFormat(h, 2, 0))
46             h=h+1
47             If h=25 Then
48                 h=0
49                 LCD.SetCursor(4,1)
50                 LCD.Write(NumberFormat(h, 2, 0))
51             End If
52         End If
53     End If
54 End Sub
55
56 Private Sub pinBoutonMinutes_StateChanged(State2 As Boolean) 'Réglage des minutes
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```
57 Log("État: ", State2) 'Log la valeur de State2
58 If State2 = False Then
59     If fois <> 1 Then
60         LCD.Clear
61         LCD.Write("et les minutes")
62         LCD.SetCursor(4,1)
63         LCD.Write(NumberFormat(h, 2, 0))
64         LCD.Write(":")
65         LCD.Write(NumberFormat(m, 2, 0))
66         m=m+1
67         If m=60 Then
68             m=0
69             LCD.Clear
70             LCD.Write("et les minutes")
71             LCD.SetCursor(4,1)
72             LCD.Write(NumberFormat(h, 2, 0))
73             LCD.Write(":")
74             LCD.Write(NumberFormat(m, 2, 0))
75
76         End If
77     End If
78 End If
79 End Sub
80
81 Private Sub pinGOClock_StateChanged(State3 As Boolean) 'Lancement de l'horloge
82 Log("État: ", State3) 'Log la valeur de State3
83 If State3 = False Then
84     LCD.SetCursor(0,0)
85     LCD.Write("Horloge ARDUINO")
86     CallSubPlus("Affichage",0,0)
87 fois=1
88 End If
89 fois=1
90 End Sub
91
92
93
94 Private Sub Affichage
95     LCD.setcursor(4,1)
96     s = s + 1
97     If s = 60 Then
98         s = 0
99         m = m + 1
100    End If
101    If m = 60 Then
102        m = 0
103        h = h + 1
104    End If
105    If h = 24 Then h = 0
106    LCD.Write(NumberFormat(h, 2, 0))
107    LCD.Write(":")
108    LCD.Write(NumberFormat(m, 2, 0))
109    LCD.Write(":")
110    LCD.Write(NumberFormat(s, 2, 0))
111    Delay(1000)
112    CallSubPlus("Affichage",0,0)
113
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```
114 LCD.Write(NumberFormat(year1, 2, 0))
115 LCD.Write(NumberFormat(year2, 2, 0))
116 LCD.Write("-")
117 LCD.Write(NumberFormat(month, 2, 0))
118 LCD.Write("-")
119 LCD.Write(NumberFormat(dayofmonth, 2, 0))
120 LCD.Write(" ")
121 'Select dayofweek
122     'Case 1
123         LCD.Write("DIM")
124     'Case 2
125         LCD.Write("LUN")
126     'Case 3
127         LCD.Write("MAR")
128     'Case 4
129         LCD.Write("MER")
130     'Case 5
131         LCD.Write("JEU")
132     'Case 6
133         LCD.Write("VEN")
134     'Case 7
135         LCD.Write("SAM")
136 'End Select
137
138 End Sub
139
140
```