```b4x
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 PinBtnChoix As Pin
11     Private PinBtnEnter As Pin
12     Private LCD As LiquidCrystal_I2C
13     Private h=0  As UInt
14     Private m=0 As UInt
15     Private s=0 As UInt
16     Private i=0 As UInt
17     Private j=0 As UInt
18     Private mois=0 As UInt
19     Private Mode=1 As UInt
20     Private AN="2021" As String
21 End Sub
22
23
24 Private Sub AppStart
25     Serial1.Initialize(115200)
26     Log("AppStart")
27     PinBtnChoix.Initialize(PinBtnChoix.A0, PinBtnChoix.MODE_INPUT_PULLUP)
28     PinBtnChoix.AddListener("PinBtnChoix_StateChanged")
29     PinBtnEnter.Initialize(PinBtnEnter.A1, PinBtnEnter.MODE_INPUT_PULLUP)
30     PinBtnEnter.AddListener("pinBtnEnter_StateChanged")
31     LCD.Initialize(0x27, 16, 2) ' Initialisation de l'écran LCD avec 2 lignes de 16 ↵
   caractères
32     LCD.Backlight = True
33     LCD.Write("Choisir le jour")
34     LCD.SetCursor(0,1)
35     LCD.Write("Bouton de droite")
36 End Sub
37
38
39 Private Sub pinBtnChoix_StateChanged(State1 As Boolean) 'Réglage des heures
40     Log("État: ", State1) 'Log la valeur de State1
41     If State1 = False Then
42         Select Mode
43             Case 1
44                 LCD.SetCursor(0,0)
45                 LCD.Write("Jour: LUN")
46                 i=i+1
47                 LCD.SetCursor(0,0)
48                 If i=1 Then LCD.Write("LUN            ")
49                 If i=2 Then LCD.Write("MAR            ")
50                 If i=3 Then LCD.Write("MER            ")
51                 If i=4 Then LCD.Write("JEU            ")
52                 If i=5 Then LCD.Write("VEN            ")
53                 If i=6 Then LCD.Write("SAM            ")
54                 If i=7 Then LCD.Write("DIM            ")
55                 If i=8 Then i=0
56             Case 2
```

```
57              LCD.SetCursor(4,0)
58              j=j+1
59              If j=32 Then j=1
60              LCD.Write(NumberFormat(j,2,0))
61          Case 3
62              LCD.SetCursor(7,0)
63              mois=mois+1
64              If mois=1 Then LCD.Write("JANV")
65              If mois=2 Then LCD.Write("FEVR")
66              If mois=3 Then LCD.Write("MARS")
67              If mois=4 Then LCD.Write("AVRI")
68              If mois=5 Then LCD.Write("MAI ")
69              If mois=6 Then LCD.Write("JUIN")
70              If mois=7 Then LCD.Write("JUIL")
71              If mois=8 Then LCD.Write("AOUT")
72              If mois=9 Then LCD.Write("SEPT")
73              If mois=10 Then LCD.Write("OCTO")
74              If mois=11 Then LCD.Write("NOVE")
75              If mois=12 Then LCD.Write("DECE")
76              If mois=13 Then mois=0
77              LCD.SetCursor(12,0)
78              LCD.Write(AN)
79          Case 4
80              LCD.SetCursor(0,1)
81              LCD.Write("Heure:")
82              LCD.SetCursor(7,1)
83              LCD.Write(NumberFormat(h, 2, 0))
84              h=h+1
85              If h=25 Then
86                  h=0
87                  LCD.SetCursor(8,1)
88                  LCD.Write(NumberFormat(h, 2, 0))
89              End If
90          Case 5
91              LCD.SetCursor(0,1)
92              LCD.Write("Minute")
93              LCD.SetCursor(8,1)
94              LCD.Write(NumberFormat(h, 2, 0))
95              LCD.Write(":")
96              LCD.Write(NumberFormat(m, 2, 0))
97              m=m+1
98              If m=60 Then
99                  m=0
100                 LCD.SetCursor(8,1)
101                 LCD.Write(NumberFormat(h, 2, 0))
102                 LCD.Write(":")
103                 LCD.Write(NumberFormat(m, 2, 0))
104             End If
105         End Select
106
107     End If
108 End Sub
109
110 Private Sub pinBtnEnter_StateChanged(State2 As Boolean) 'Validation des choix
111     Log("État: ", State2) 'Log la valeur de State2
112     If State2 = False Then
113         Mode=Mode+1
```

```
114         Select Mode
115             Case 2
116             LCD.SetCursor(0,1)
117             LCD.Write("Fixer la date   ")
118             Case 3
119                 LCD.SetCursor(0,1)
120                 LCD.Write("Fixer le mois   ")
121             Case 4
122                 LCD.SetCursor(0,1)
123                 LCD.Write("Heure:          ")
124
125             Case 5
126                 LCD.SetCursor(0,1)
127                 LCD.Write("Minute          ")
128             Case 6
129             LCD.SetCursor(0,1)
130             LCD.Write("                ")
131             CallSubPlus("Affichage",0,0)
132         End Select
133         End If
134 End Sub
135
136 Private Sub Affichage
137     LCD.setcursor(4,1)
138     s = s + 1
139     If s = 60 Then
140         s = 0
141         m = m + 1
142     End If
143     If m = 60 Then
144         m = 0
145         h = h + 1
146     End If
147     If h = 24 Then h = 0
148     LCD.Write(NumberFormat(h, 2, 0))
149     LCD.Write(":")
150     LCD.Write(NumberFormat(m, 2, 0))
151     LCD.Write(":")
152     LCD.Write(NumberFormat(s, 2, 0))
153     Delay(1000)
154     CallSubPlus("Affichage",0,0)
155
156
157 End Sub
158
159
```