Link documentación:

<https://atigra.es/documentacion-cursos-erasmus/>

Button

Reto: Convertir pulsador en interruptor.

Pulsar boton enciende

vuelvo a pulsar apaga

pista 1: usar variables

pista 2: la variable sirve para guardar el estado del led (on/off)

pista 3 :

pista 4 : ¿Cuál es la variable?
led encendido $\rightarrow$ isOn

Solución reto: Convertir botón en interruptor

Setup

- Led Pin 18 (D13) Status OFF
- Led Pin 19 (D12) Status OFF
- Led Pin 23 (D11) Status OFF
- Set isOn = false

Loop

- + if Button Pin 5 (D10) Invert
- do
 - + if isOn
 - do Led Pin 18 (D13) Status OFF
 - Set isOn = false
 - else if not isOn
 - do Led Pin 18 (D13) Status ON
 - Set isOn = true
- Wait 200 milliseconds

+ to semaforo

- Led Pin 18 (D13) Status ON
- Led Pin 19 (D12) Status OFF
- Led Pin 23 (D11) Status OFF
- Wait 1000 milliseconds
- Led Pin 18 (D13) Status OFF
- Led Pin 19 (D12) Status OFF
- Led Pin 23 (D11) Status ON
- Wait 1000 milliseconds
- Led Pin 18 (D13) Status OFF
- Led Pin 23 (D11) Status OFF
- repeat 3 times
 - do Led Pin 19 (D12) Status ON
 - Wait 500 milliseconds
 - Led Pin 19 (D12) Status OFF
 - Wait 500 milliseconds

Sensor DHT11 (Temp / Hum)

temp °C
hum %

Acceso a Consola - Encender y apagar led

Temperatura y Humedad por consola serie