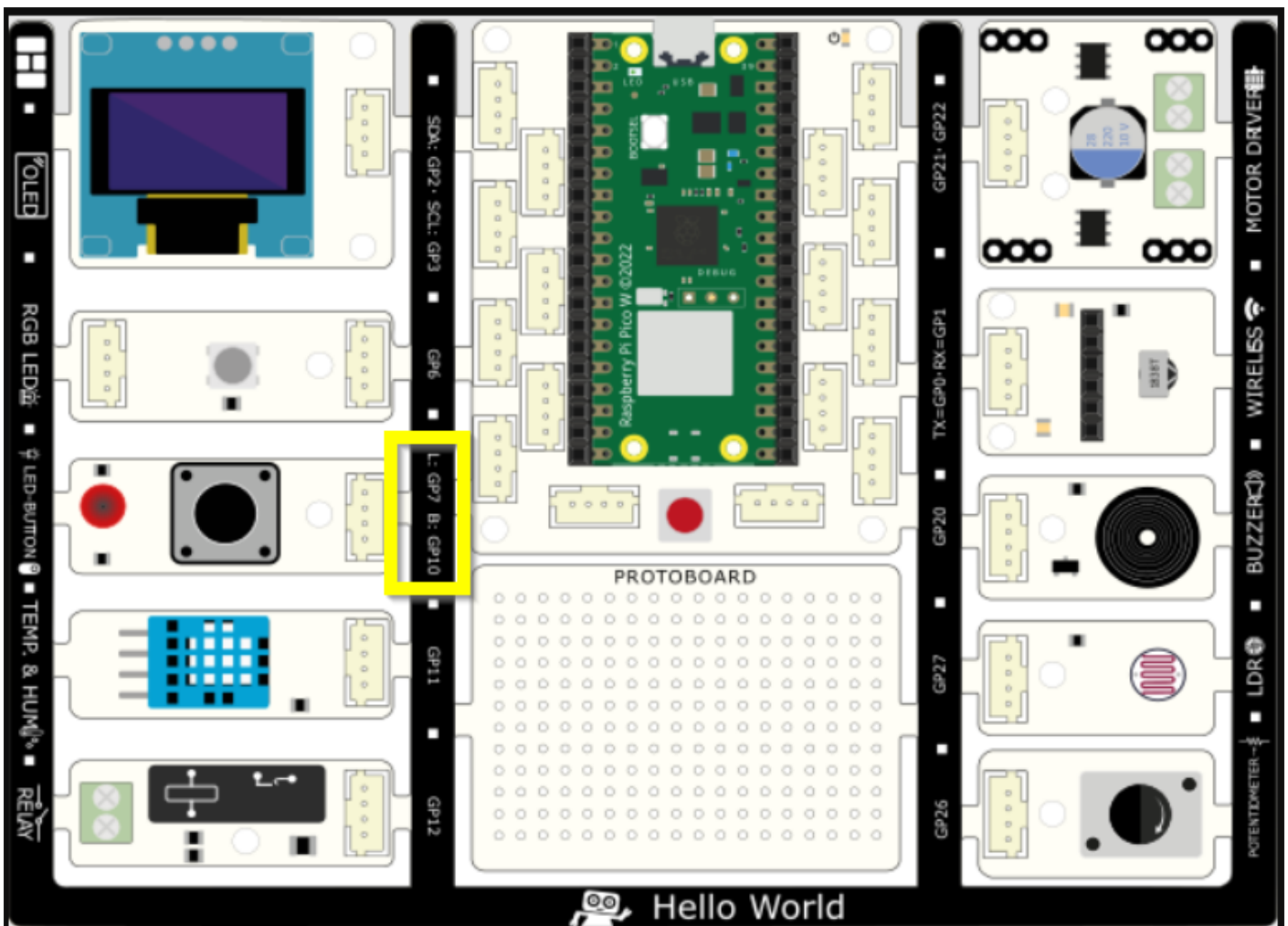


El primer programa con Python: Blink

El led rojo está en el pin GPI7 tal y como lo indica en la placa



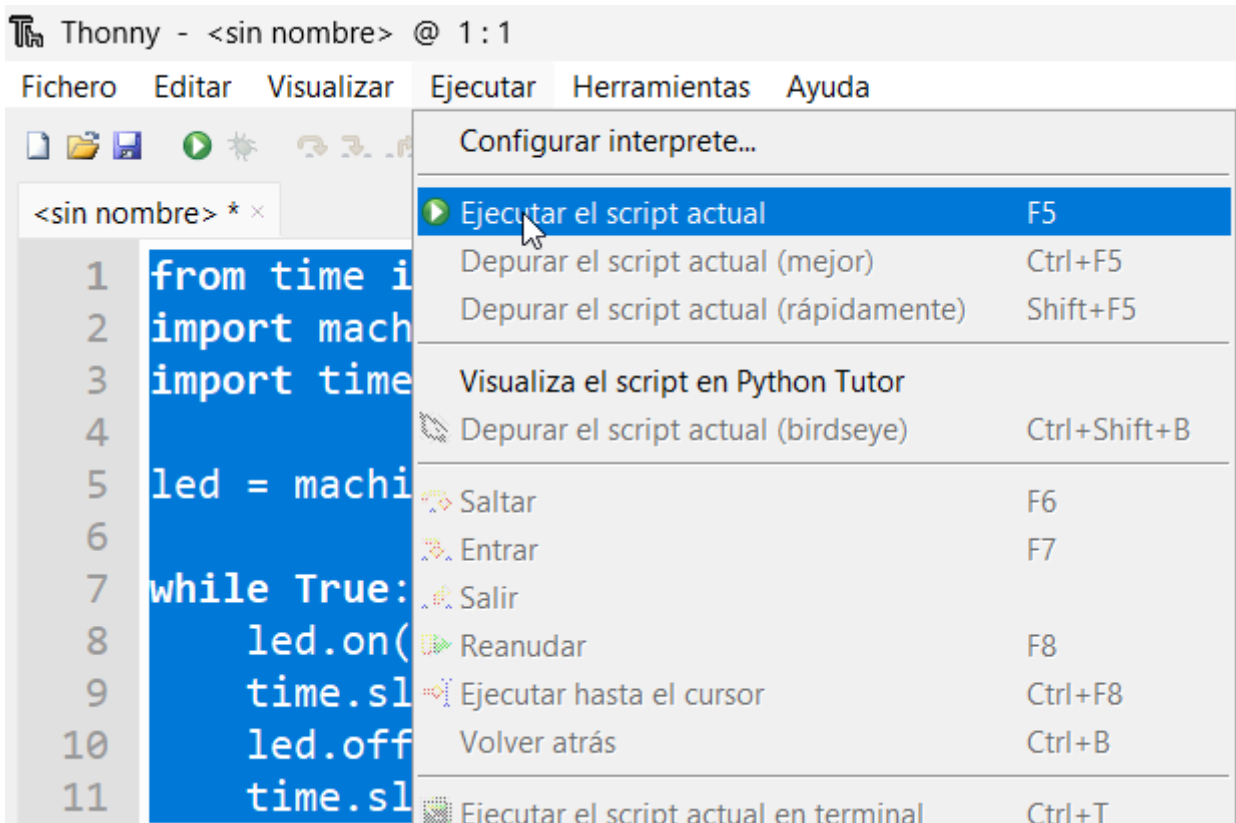
Luego ponemos en el Thonny el siguiente programa

```
from time import sleep
import machine
import time

led = machine.Pin(7, machine.Pin.OUT)
```

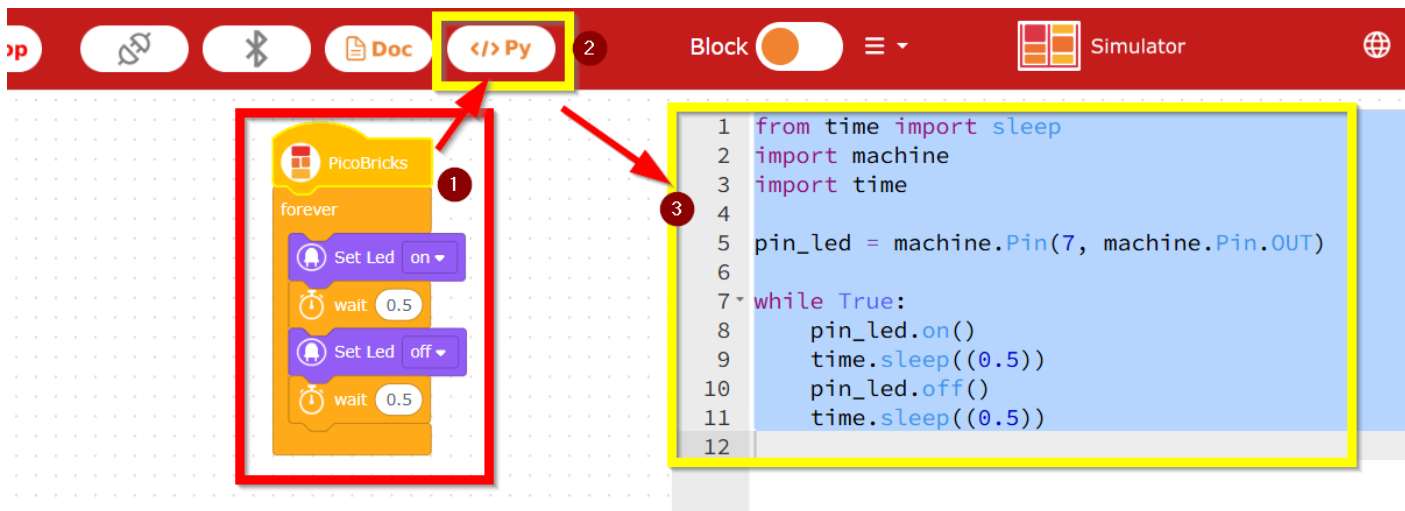
```
while True:  
    led.on()  
    time.sleep((0.5))  
    led.off()  
    time.sleep((0.5))
```

Ejecutamos con F5



y el led parpadea como estaba previsto

Otra forma de conseguir el programa es con la ventana de Python de PicoBlockly



The screenshot shows the PicoBricks IDE interface. On the left, a block-based program is shown, consisting of a 'forever' loop containing 'Set Led on', 'wait 0.5', 'Set Led off', and 'wait 0.5'. On the right, the corresponding Python code is displayed, which is highlighted in yellow. The Python code is as follows:

```

1 from time import sleep
2 import machine
3 import time
4
5 pin_led = machine.Pin(7, machine.Pin.OUT)
6
7 while True:
8     pin_led.on()
9     time.sleep((0.5))
10    pin_led.off()
11    time.sleep((0.5))
12

```

Red arrows indicate the mapping between the Python code and the block-based program. The Python code is also highlighted in yellow, and the block-based program is highlighted in red.

Otra manera de ver el mismo programa, está en la página 25 del libro

<https://picobricks.com/pages/projectbook>

se encuentra el mismo código pero usando la instrucción

```
led.toggle()
```

https://drive.google.com/file/d/1PDql_GYyxcz68JqmQAGOLs0YE6SXgPCm/preview

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