

```
1 # button_test.py
2 from machine import Pin
3 import time
4
5 # Define GPIO pins for the buttons
6 button_pins = [0, 3, 6, 7]
7
8 # Create Pin objects with internal pull-ups
9 buttons = [Pin(pin, Pin.IN, Pin.PULL_UP) for pin in button_pins]
10 last_states = [1] * len(buttons)
11
12 print("Button test running. Press any button...")
13
14 while True:
15     for i, btn in enumerate(buttons):
16         state = btn.value()
17         if state == 0 and last_states[i] == 1: # falling edge = button pressed
18             print(f"Button {i} (GPIO {button_pins[i]}) pressed")
19             last_states[i] = state
20         time.sleep(0.01)
21
```