Module 4

Build a circuit using your Raspberry Pi that causes an LED to blink when a push button is **NOT** pressed. However, the LED should stay on continually when the push button **IS** pressed.

Your video should show the LED blinking when the push button is not pressed, and it should show that the LED is constantly on while the button is pressed.

Take a video of your circuit in action and submit a hyperlink to your video. Do **not** upload a video here.

Video: https://github.com/apifi/raspi

Code:

```
#!/usr/bin/python3
# blink/unblink an led by push button
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT)
GPIO.setup(10, GPIO.IN)
while True:
    if GPIO.input(10):
        print('inverse pushbutton is not pressed -> LED is blinkig')
        GPIO.output(8,True)
        time.sleep(0.1)
        GPIO.output(8,False)
        time.sleep(0.1)
    else:
        GPIO.output(8,True)
        print('inverse pushbutton is pressed -> LED is on (no blink)')
        time.sleep(0.2)
```

Wiring: