

Pin level output control

Using simple in routines_ Out. py or run/home/Jetson/GPIO_Test_Pin.py

The program will output high and low levels (updated alternately every 2 seconds) to the physical pin PIN12

Run a program

```
#way 1:
sudo python3 simple_out.py

#way 2:
cd ~/GPIO_test
python3 test_pin.py
```

desired result

You can use a voltmeter to test whether the voltage of the pins increases or decreases (using the simple.out.py code for pin 18 of the hardware number.Pin 21 (which is pin 40 on the hardware number) uses Test_ Pin. py)

The phenomenon shown in the following figure is the effect of pin 21 (which is pin 40 on the hardware number) (test_pin. py)

A terminal window titled 'jetson@ubuntu: ~/GPIO_test' showing the execution of 'python3 test_pin.py'. The output displays several warnings about the carrier board and GPIO library, followed by a series of 'PIN HIGH: 21' and 'PIN LOW: 21' messages alternating every two lines. A mouse cursor is visible over the text.

```
jetson@ubuntu:~/GPIO_test$ python3 test_pin.py
WARNING: Carrier board is not from a Jetson Developer Kit.
WARNNIG: Jetson.GPIO library has not been verified with this carrier board,
WARNING: and in fact is unlikely to work correctly.
PIN HIGH: 21
PIN LOW: 21
PIN HIGH: 21
PIN LOW: 21
PIN HIGH: 21
PIN LOW: 21
PIN HIGH: 21
PIN LOW: 21
```