Pin output high and low levels

For controlling the Raspberry Pi GPIO pins, our tutorial uses the GPIO Zero library.

1. Driver library

If users have used the RPi.GPIO library and wirinPi library before, they will find that the GPIO Zero library and the RPi.GPIO library/wirinPi library handle pins differently:

Driver library	Control pin mode
GPIO Zero Library	Device Class: LED (Output)
RPi.GPIO library/wirinPi library	Output status

The GPIO Zero library has more control methods associated with the device, while the RPi.GPIO library and wirinPi library control pins directly.

2. LED

In the GPIO Zero library, we can use the LED interface to control the output high and low levels of the pins.

- Control BCM pin number 17 high and low levels: high and low level output interval 1s

```
from gpiozero import LED
from time import sleep

led = LED(17)

while True:
     led.on()
     sleep(1)
     led.off()
     sleep(1)
```

- Control BCM pin number 17 high and low levels: high and low level output interval 1s (reversed)

```
from gpiozero import LED
from time import sleep

led = LED(17)

while True:
     led.toggle()
     sleep(1)
```

Note: If you connect an LED light to the Raspberry Pi, be sure to connect a resistor in series.