

!Note:

The maximum continuous input and output voltage of the Raspberry Pi's GPIO pin is 3.3V. Do not connect it directly with other electronic components, otherwise it will damage the Raspberry Pi.

Step 1: Create and open gpio.py file

`nano gpio.py`

Step 2: Writing code

```
import wiringpi
GPIO_Pin = 0
OUTPUT = 1
HIGH = 1
LOW = 0

wiringpi.wiringPiSetup()
wiringpi.pinMode(GPIO_Pin,OUTPUT)

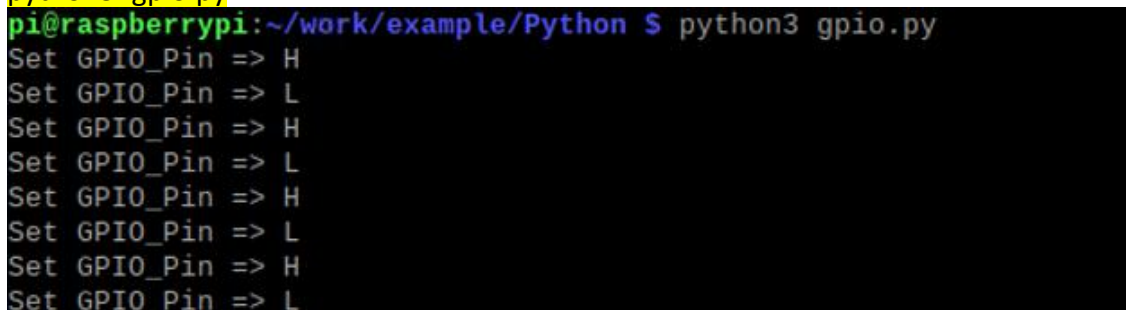
while 1:
    print ('Set GPIO_Pin => H')
    wiringpi.digitalWrite(GPIO_Pin,HIGH)
    wiringpi.delay(500)
    print ('Set GPIO_Pin => L')
    wiringpi.digitalWrite(GPIO_Pin,LOW)
    wiringpi.delay(500)
```

After writing, press **Ctrl + X** to exit this file.

The system will prompt you whether you need to save, press **Y** to save and exit.

Step 3: Run this code

`python3 gpio.py`



```
pi@raspberrypi:~/work/example/Python $ python3 gpio.py
Set GPIO_Pin => H
Set GPIO_Pin => L
Set GPIO_Pin => H
Set GPIO_Pin => L
Set GPIO_Pin => H
Set GPIO_Pin => L
Set GPIO_Pin => H
Set GPIO_Pin => L
```

According to the printed information, we can see that GPIO0_Pin will alternately output high and low levels.