

# Control LED

## Using routines led.py

GPIO control LED flashing based on Jetson Orin NX

Hardware connection

Connect the positive pole of the LED to the 12th pin of the Jetson Orin NX and the negative pole to the 39th pin (GND). By controlling the pin to output high and low levels, the LED is controlled to turn on and off, Control the interval time through the. sleep () method in the time library.

run a program

```
cd ~/GPIO_test  
sudo python3 led.py
```



anticipate result

After connecting the hardware and running the program, the LED light will flash every 2 seconds. (Change the experimental rgb light to our store's rgb light module, if you want to test it yourself, you can choose to purchase it)

**Note: If using other LED modules, it is best to connect an appropriately sized protective resistor between the LED and the pins as protection, otherwise overcurrent may burn out the Jetson Orin nx**

