

LED.py - C:/Users/ELCOT/Desktop/LED.py (3.9.0b3)

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#!/usr/bin/env python
import RPi.GPIO as GPIO #Rpi.GPIO can be referred as GPIO from now
import time

ledPin = 22 #pin22

def setup():
    GPIO.setmode(GPIO.BOARD) #GPIO Numbering of pins
    GPIO.setup(ledPin,GPIO.OUT) #set ledPin as output
    GPIO.output(ledPin, GPIO.LOW) #set ledpin to LOW to turn off the LED

def loop():
    while True:
        print ('LED on')
        GPIO.out(ledPin,GPIO.HIGH) #LED on
        time.sleep(1.0) #wait 1 sec
        print ('LED off')
        GPIO.output(ledpin,GPIO.LOW) #LED off
        time.sleep(1.0) #wait 1 sec

def endprogram():
    GPIO.output(ledPin,GPIO.LOW) #LED off
    GPIO.cleanup() #Release resources

if __name__=='__main__': #program starts from here
    setup()
    try:
        loop()
    except KeyboardInterrupt: #when 'Ctrl+C' is pressed,the destroy() will be executed.
        endprogram()
```

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