Hw3\_1.py (源程序文件名)

**import** sys  
**import** RPi.GPIO **as** GPIO  
**import** time  
  
**if** len(sys.argv)!=4:  
 print(**"arguments are wrong"**)  
  
red = sys.argv[1]  
green = sys.argv[2]  
blue = sys.argv[3]  
  
  
GPIO.setmode(GPIO.BCM)  
GPIO.setup(18, GPIO.OUT)  
GPIO.setup(23, GPIO.OUT)  
GPIO.setup(24, GPIO.OUT)  
  
pwmRed = GPIO.PWM(18, 500)  
pwmRed.start(100)  
pwmGreen = GPIO.PWM(23, 500)  
pwmGreen.start(100)  
pwmBlue = GPIO.PWM(24, 500)  
pwmBlue.start(100)  
  
**try**:  
 pwmRed.ChangeDutyCycle(float(red))  
 pwmGreen.ChangeDutyCycle(float(green))  
 pwmBlue.ChangeDutyCycle(float(blue))  
**finally**:  
 print(**"Cleaning Up!"**)  
 GPIO.cleanup()