

Phelipe Fernandes

Assignment 3

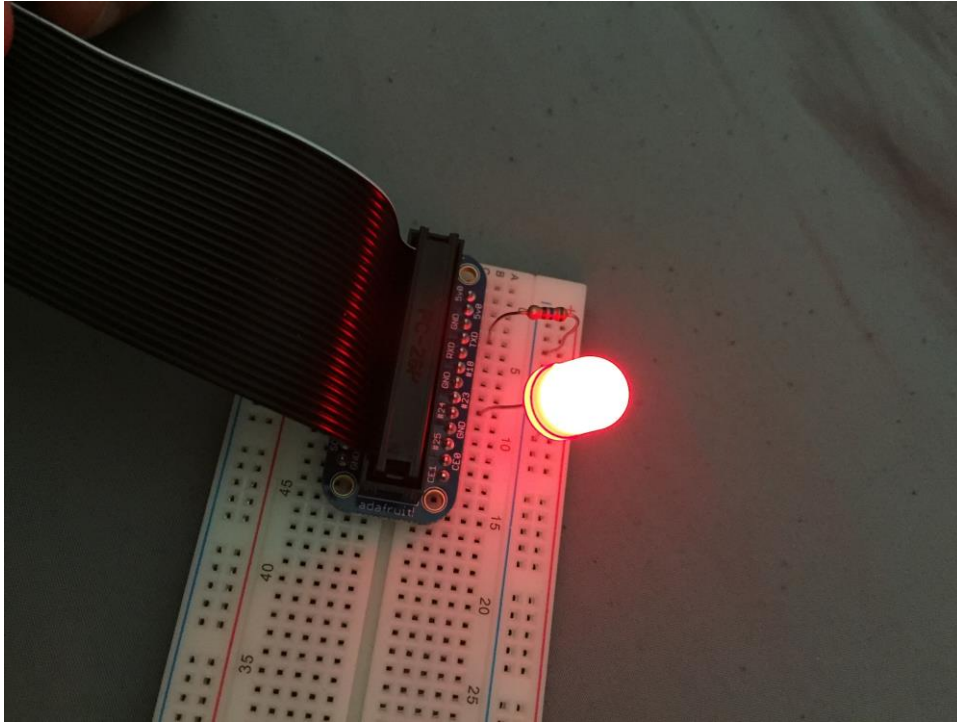
The python code:

```
#!/usr/bin/python
import RPi.GPIO as GPIO
import time

GPIO.setmode(GPIO.BCM)
GPIO.setup(23,GPIO.OUT)
GPIO.setwarnings(False)

def Blink():
    while True:
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(0.1)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(0.1)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(5)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(0.1)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(0.1)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(0.1)
        GPIO.output(23,True)
        time.sleep(0.1)
        GPIO.output(23,False)
        time.sleep(5)
    print "done!!"
    GPIO.cleanup()
Blink()
```

The LED wired:



The anode of the LED is connected at port 23. Its cathode is connected to the resistor, the resistor is connected to the GND signal.