

# lab 6 - PIR sensor

gnd - connect to ground

out - check normal pin number (not the gpio number)

vcc - power

```
import RPi.GPIO as GPIO
PIR_input = 8
green = 19
red = 23

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(PIR_input, GPIO.IN)
GPIO.setup(red, GPIO.OUT, initial = gpio.LOW)
GPIO.setup(green, GPIO.OUT, initial = gpio.LOW)

while True:
    if(GPIO.input(PIR_input)):
        GPIO.output(red, GPIO.HIGH)
        GPIO.output(green, GPIO.LOW)
    else:
        GPIO.output(red, GPIO.LOW)
        GPIO.output(green, GPIO.HIGH)

GPIO.cleanup()
```