

Lab 4 - interrupt programming

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BOARD)
GPIO.setwarnings(False)
BUTTON_PIN = 16
GPIO.setup(BUTTON_PIN, GPIO.IN, pull_up_down=GPIO.PUD_UP)

GPIO.set(3,GPIO.OUT,initial=GPIO.LOW)
While True:
    GPIO.wait_for_edge(24, GPIO.FALLING)
    print("lights on")
    GPIO.output(3,GPIO.HIGH)
    GPIO.wait_for_edge(24, GPIO.RISING)
    print("lights off")
    GPIO.output(3,GPIO.LOW)

button one leg - ground and one gpio

difference between falling and rising
```