

Assignment 3

Blink an LED

```
import RPi.GPIO as gpio
from time import sleep
gpio.setwarnings(False)
gpio.setmode(GPIO.BOARD)
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW)
while True:
    gpio.output(23, GPIO.HIGH)
    sleep(1)
    gpio.output(23, GPIO.LOW)
    sleep(1)
```

Traffic Light

```
import RPi.GPIO as gpio
from time import sleep
gpio.setwarnings(False)
gpio.setmode(GPIO.BOARD)
gpio.setup(23, GPIO.OUT, initial=GPIO.LOW) # Red
gpio.setup(24, GPIO.OUT, initial=GPIO.LOW) # Yellow
gpio.setup(25, GPIO.OUT, initial=GPIO.LOW) # Green
while True:
    gpio.output(23, GPIO.HIGH)
    sleep(50)
    gpio.output(24, GPIO.HIGH)
    sleep(5)
    gpio.output(23, GPIO.LOW)
    sleep(5)
    gpio.output(24, GPIO.LOW)
    gpio.output(25, GPIO.HIGH)
```

```
sleep(50)
```

```
gpio.output(25, GPIO.LOW)
```

```
gpio.sleep(1)
```