

```

import RP1.GPIO as GP10

import time


GPIO.setmode(GPIO.BOARD)

GPIO.setup(7, GPIO.OUT) #Green LED

GPIO.setup(11, GPIO.OUT)#Yellow LED

GPIO.setup(13, GPIO.OUT) #Red LED

GPIO.setup(15, GP10.IN, pull_up_down=GPIO.PUD_UP)#Button

def turn_on(pin, seconds):

    GPIO.output (pin,GPIO.HIGH)

    time.sleep(seconds)

def turn_off (pin, seconds):

    GPIO.output (pin, GPIO.LOW)

    time.sleep(seconds)

try:

    while True:

        button_state=GPIO.input (15)

        if button_state== True:

            turn_on(13,2)

            tum_off(13,.1)

            turn_on(7,4)

            turn_off(7,.11)

            turn_on(11,1)

            turn_off(11,1)

        else:

```

```
if button_state== False:
```

```
    GPIO.output (7,GPIO.LOW)
```

```
    GPIO.output(11,GPIO.LOW)
```

```
    GP10.output (13,GPIO.LOW)
```

```
    time.sleep(.1)
```

```
except KeyboardInterrupt:
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```
    GPIO.cleanup()
```

```
    print("Traffic Light Sequence Done")
```