

ASSIGNMENT 3 :BLINKING OF LED AND TRAFFIC LIGHTS FOR RASPBERRY PI

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MAXIMUM MARK	2 MARKS

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)
while True:
    GPIO.output(11,True)
    time.sleep(1)
    GPIO.output(11,False)
    time.sleep(1)
from gpiozero import Button, TrafficLights, Buzzer
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
    lights.green.on()
    sleep(1) lights.amber.on()
    sleep(1) lights.red.on()
    sleep(1) lights.off()
    while True:
        lights.on()
        buzzer.off()
        button.wait_for_press() lights.off()
        buzzer.on() button.wait_for_release()

while True: lights.blink()
buzzer.beep()
button.wait_for_press()
lights.off() buzzer.off()
button.wait_for_release()
```