

ASSIGNMENT 3: BLINKING LED AND TRAFFIC LIGHTS FOR LED

DATE	18/10/2022
TEAM ID	PNT2022TMID43222
STUDENT NAME	KALAISELVI J
STUDENT REGISTER NUMBER	714519106004
MAXIMUM MARKS	2 MARKS

CODE:

```
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
buzzer = Buzzer(15)
button = Button(21)
lights = TrafficLights(25, 8, 7)
while True:
    button.wait_for_press()
    light.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()
```