ASSIGNMENT-3

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Python code for blinking

LED

Program:

```
import Rpi.GPIO as GPIO      import
time


LED_PIN=17


GPIO.setmode.e(GPIO.BCM)
GPIO.setup(LED_PIN,GPIO.OUT)


while true:
    GPIO.output(LED_PIN,GPIO.HIGH)
    time.sleep(1)
    GPIO.output(LED_PIN,GPIO.LOW)
    time.sleep(1)


GPIO.cleanup()
```

Traffic light

```
From gpiozero import Button, TrafficLights, Buzzer  from time
import sleep


buzzer = Buzzer(15)  button
= Button(21)  lights =
TrafficLights(25, 8, 7)


while              True:
button.wait_for_press()
buzzer.on()
light.green.on()
sleep(1)
lights.amber.on()
sleep(1)     lights.red.on()
sleep(1)         lights.off()
buzzer.off()
```