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()
```