

Assignment-3

Assignment Date	08 October2022
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Maximum Mark	2 Marks

Blink LED

Program:

```
import RPi.GPIO as GPIO

from time import sleep

GPIO.setwarnings(False)

GPIO.setmode(GPIO.BOARD)

GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:

    GPIO.output(8, GPIO.HIGH) # Turn on

    sleep(1)

    GPIO.output(8, GPIO.LOW) # Turn off

    sleep(1)
```

Traffic Light

Program:

```
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()
    lights.green.on()
    sleep(1)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(1)
    lights.off()
    buzzer.off()
```