Assignment -3
Python Programming

Assignment Date	19 September 2022
Student Name	Gowtham A
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Maximum Marks	2 Marks

//Code for Blinking LED//

```
Import RPi.GPIO as GPIO
Import time
LED = 40
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(LED, GPIO.OUT)

While True:

GPIO.output(LED,GPIO.HIGH)
Time.sleep(1)
GPIO.output(LED,GPIO.LOW)
Time.sleep(1)
```

//Code for Traffic Light System//

```
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()
```