Assignment -3
Python Programming

Assignment Date	5 October 2022
Student Name	S MADHUMITHA
Student Roll Number	211419104156
Maximum Marks	2 Marks

Question-1:

Write python code for blinding LED and Traffic lights for Raspbeery pi.

//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 importButton,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(3)
        lights.amber.on()
        sleep(1)
        lights.red.on()
        sleep(3)
        lights.off()
        buzzer.off()
Footer
```