

Assignment -3
Python Programming

Assignment Date	6 October 2022
Student Name	Saravanan G
Student Roll Number	113119UG04092
Maximum Marks	2 Marks

Question-1:

Write a program for traffic lights using LED in raspberry pi using python language

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

OUTPUT