

Assignment -3
Python Programming

Assignment Date	1/10/2022
Student Name	Mukesh.V
Student Roll Number	811519106087
Maximum Marks	2 Marks

Question:

Write python code for blinking LED and Traffic Lights for Raspberry pi.

Note: Only python code is enough, no need to execute in raspberry pi.

Solution:

```
import time
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BOARD)
GPIO.setup(11, GPIO.OUT)

while True:
    GPIO.output(11,True)
    time.sleep(1)
    GPIO.output(11,False)
    time.sleep(1)

from gpiozero import Button, TrafficLights, Buzzer
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()