

**Assignment -1**  
Python Programming

Assignment Date	06 October 2022
Student Name	Arthi V
Student Roll Number	611219106003
Maximum Marks	2 Marks

**Question-1:**

Write python code for blinking LED and Traffic lights for Raspberry pi

**Solution:**

**Code:**

```
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()**