

**Assignment -3**  
Python Programming

Assignment Date	5 October 2022
Student Name	NANDHINI G
Student Roll Number	211419104174
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 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(3)
    lights.amber.on()
    sleep(1)
    lights.red.on()
    sleep(3)
    lights.off()
    buzzer.off()
Footer
```