

## **ASSIGNMENT 3**

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

### **Python code for blinking LED**

```
Import RPi.GPIO as GPIO
From time import sleep
GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8,GPIO.OUT,initial = GPIO.LOW)
While True :
    GPIO.output (8 , GPIO.HIGH)
    Sleep(1)
    GPIO.output (8, GPIO.LOW)
    Sleep(1)
```

### **Python Code for Blinking Traffic Light**

```
From gpiozero import Button , Traffic lights , buzzer
from time import sleep
buzzer = Buzzer (15)
button = button (21)
lights = TrafficLights(25, 8, 7)
While True :
    button.wait_for_press ( )
```

buzzer . on ( )

lights.green.on( )

sleep ( 1 )

lights. amber .on( )

sleep (1)

lights.red.on( )

sleep (1)

lights.off( )

buzzer . off( )