

ASSIGNMENT-3

Write a python code for blinking LED.

Program:

```
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)
```

Write a python code for traffic lights using raspberry pi.

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()
```