Assignment 3

Write a python code for blinking LED

PROGRAM:

```python
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:

```python
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()
```