Assignment 3

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

LED

```
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)
```

TRAFFIC LIGHT

```
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()
```