ASSIGNMENT 3

Python code for blinking LED and Traffic Light for Raspberry pi

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Code for LED

```python
from gpiozero import LED
from time import sleep
led=LED(16)
while True:
        led.on()
        sleep(1)
        led.off()
        sleep(1)
```

Code for Traffic light

```python
import RPi.GPIO as GPIO
import time
GPIO.setmode(GPIO.BOARD)

red=7
yellow=11
green=13
GPIO.setup(red,GPIO.OUT)
GPIO.setup(yellow,GPIO.OUT)
GPIO.setup(green,GPIO.OUT)
while  True:
        GPIO.output(red,True)
        sleep(3)
```

```
        GPIO.output(red,False)

        GPIO.output(yellow,True)

        sleep(1)

        GPIO.output(yellow,False)

        GPIO.output(green,True)

        sleep(3)

        GPIO.output(green,False)

GPIO.cleanup()
```