ASSIGNMENT 3

Interfacing LED blinking with Raspberry Pi:

```
import RPi.GPIO as GPIO
import time
LED_PIN = 17
GPIO.setmode(GPIO.BCM)
GPIO.setup(LED_PIN, GPIO.OUT)
GPIO.output(LED_PIN, GPIO.HIGH)
time.sleep(1)
GPIO.output(LED_PIN, GPIO.LOW)
GPIO.cleanup()
```

Interfacing traffic lights with Raspberry Pi:

```
Import Rpi.GPIO as GPIO
From time import sleep
GPIO.setmode(GPIO.BOARD)
GPIO.setup(16,GPIO.OUT)
GPIO.setup(18,GPIO.OUT)
GPIO.setup(22,GPIO.OUT)
GPIO.output(16,False)
GPIO.output(18,False)
GPIO.output(22,False)
While True:
        GPIO.output(16,True)
        GPIO.output(18,False)
        GPIO.output(22,False)
        Sleep(5)
        GPIO.output(16,False)
        GPIO.output(18,True)
        GPIO.output(22,False)
        Sleep(3)
        GPIO.output(16,False)
        GPIO.output(18,False)
        GPIO.output(22,True)
        Sleep(1)
GPIO.cleanup()
```