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()
```