ASSIGNMENT 3

LED BLINKING

```python
import RPi.GPIO as GPIO          # import RPi.GPIO module

from time import sleep

GPIO.setmode(GPIO.BOARD)         # choose board or BCM

GPIO.setup (11,GPIO.OUT)         # set 11th pin as output

while True:
    GPIO.output(11,True)         #Turn on the led
    time.sleep(2)                #wait 2 second
    GPIO.output(11,False)        #Turn off the led
    time.sleep(2)
```

TRAFFIC LIGHT SYSTEM

```python
import Rpi.GPIO as GPIO          # import RPi.GPIO module

from time import sleep

GPIO.setmode(GPIO.BOARD)         # choose board or BCM

GPIO.setup(16,GPIO.OUT)          #set 16th pin as output (RED led)

GPIO.setup(18,GPIO.OUT)          #set 18th pin as output  (YELLOW led)

GPIO.setup(22,GPIO.OUT)          #set 22 pin as output   (GREEN led)

GPIO.output(16,False)            #Turn off all led's initially

GPIO.output(18,False)

GPIO.output(22,False)

While True:
        GPIO.output(16,True)         # Turn on red led

        GPIO.output(18,False)

        GPIO.output(22,False)
```

```
Sleep(5)

GPIO.output(16,False)          #Turn on yellow led

GPIO.output(18,True)

GPIO.output(22,False)

Sleep(3)

GPIO.output(16,False)          # Turn on green led

GPIO.output(18,False)

GPIO.output(22,True)
```