ASSIGNMENT-3

#LED
BLINKING
:

```python
import RPi.GPIO as GPIO
from time import sleep

GPIO.setwarnings(False)
GPIO.setmode(GPIO.BOARD)
GPIO.setup(8, GPIO.OUT, initial=GPIO.LOW)

while True:                      #infinite loop
    GPIO.output(8, GPIO.HIGH)            # Turn on
    print("The LED is ON")
    sleep(5)                     # Sleep for 5 second

    GPIO.output(8, GPIO.LOW)             # Turn off
    print("The LED is OFF")
    sleep(5)                     # Sleep for 5 second
```

#TRAFFIC LIGHT CODE :

```python
from gpiozero import LED
from time import sleep



red= LED(17)          #pin numbers connected to Led's
amber=(22)
```

```python
green=(27)




while True:
    red.on()                    #RED light
    print("Red light is ON")
    for i in range(60,0,-1):
        print("Remaining time: ",i)
        sleep(1)
    red.off()


    amber.on()                  # AMBER light
    print("Yellow light is ON")
    for i in range(5,0,-1):
        print("Remaining time: ",i)
        sleep(1)
    amber.off()


    green.on                    #GREEN light
    print("Green light is ON")
    for i in range(40,0,-1):
        print("Remaining time: ",i)
        sleep(1)
    green.off()
```