

ASSIGNMENT 3

SUNMATHI.K

LEDBLINKING CODE

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

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

while True:          #infinite loop
    GP.output(8, GPIO.HIGH)      # Turn on
    print("The LED is ON")
    sleep(2)              # Sleep for 2 second

    GP.output(8, GPIO.LOW)      # Turn off
    print("The LED is OFF")
    sleep(2)              # Sleep for 2 second
```

TRAFFIC LIGHT RASBERRY PYTHON CODE

```
from gpiozero import LED from time
import sleep

red= LED(17)          #pin numbers connected to Led's aster=(22)
green=(27)
```

while True:

 red.on() #RED light

 print("Red light is ON") for i in
range(100,0,-1):

 print("Remaining time: ",i)
sleep(1) red.off()

 aster.on() # ASTER light

 print("Yellow light is ON") for i in
range(5,0,-1):

 print("Remaining time: ",i)
sleep(1) aster.off()

 green.on #GREEN light

 print("Green light is ON") for i in
range(30,0,-1):

 print("Remaining time: ",i)
sleep(1) green.off()