ASSIGNMENT-3
TRAFFIC LIGHT RASBERRY PYTHON CODE

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```
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()
```

LED BLINKING 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
```