Assignment -3

Assignment Date	05 October 2022
Student Name	HEMANTH R
Student Roll Number	110319106013

Question :

Build a python code, Assume u get temperature and humidity values (generated with a random function to a variable) and write a condition to detect an alarm in case of high temperature continuously

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()
```
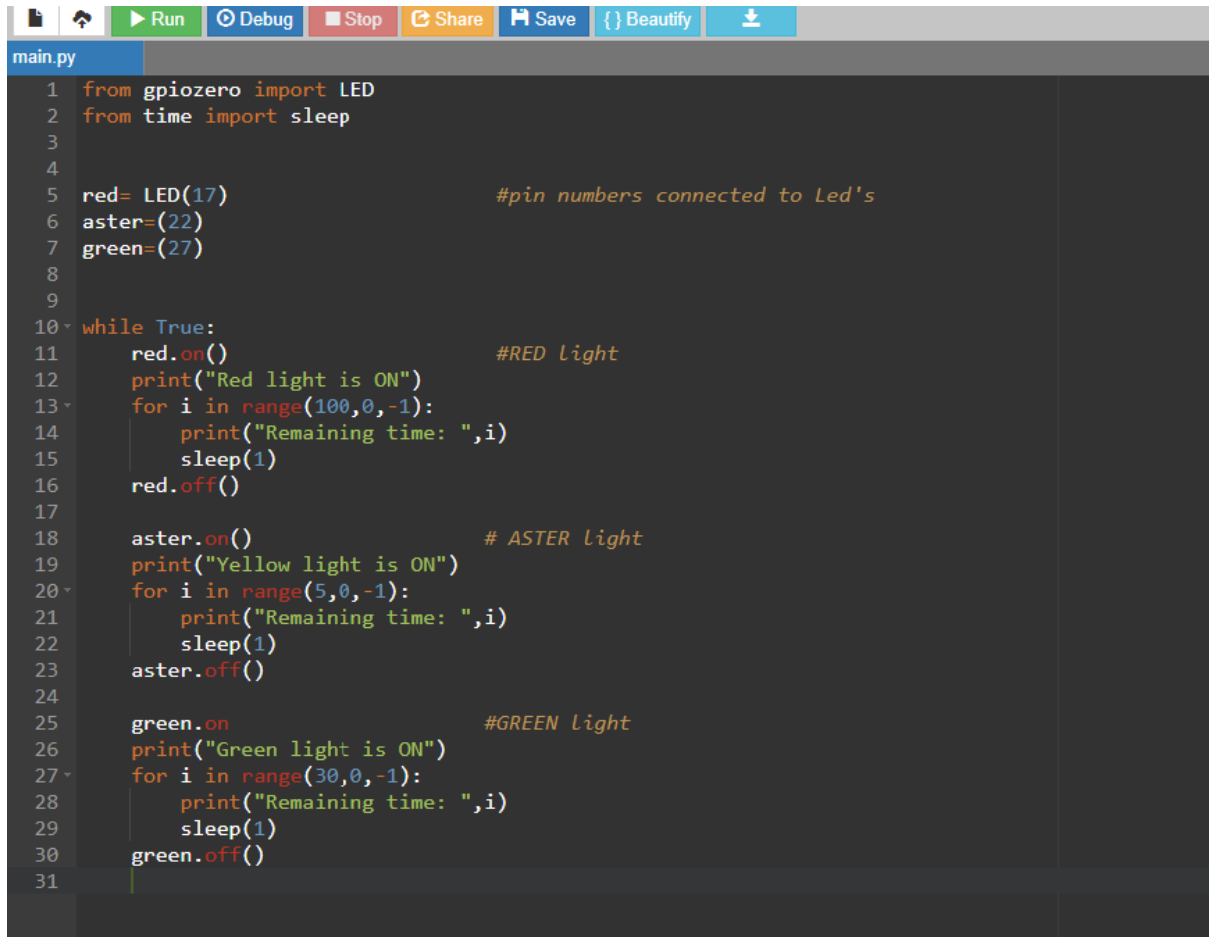
OUTPUT:

```
1  from gpiozero import LED
2  from time import sleep
3
4
5  red= LED(17)                        #pin numbers connected to Led's
6  aster=(22)
7  green=(27)
8
9
10 while True:
11     red.on()                        #RED light
12     print("Red light is ON")
13     for i in range(100,0,-1):
14         print("Remaining time: ",i)
15         sleep(1)
16     red.off()
17
18     aster.on()                      # ASTER light
19     print("Yellow light is ON")
20     for i in range(5,0,-1):
21         print("Remaining time: ",i)
22         sleep(1)
23     aster.off()
24
25     green.on                        #GREEN light
26     print("Green light is ON")
27     for i in range(30,0,-1):
28         print("Remaining time: ",i)
29         sleep(1)
30     green.off()
31
```