

Assignment -3

Assignment Date	05 October 2022
Student Name	ARAVINDHAN A
Student Roll Number	110319106002

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")

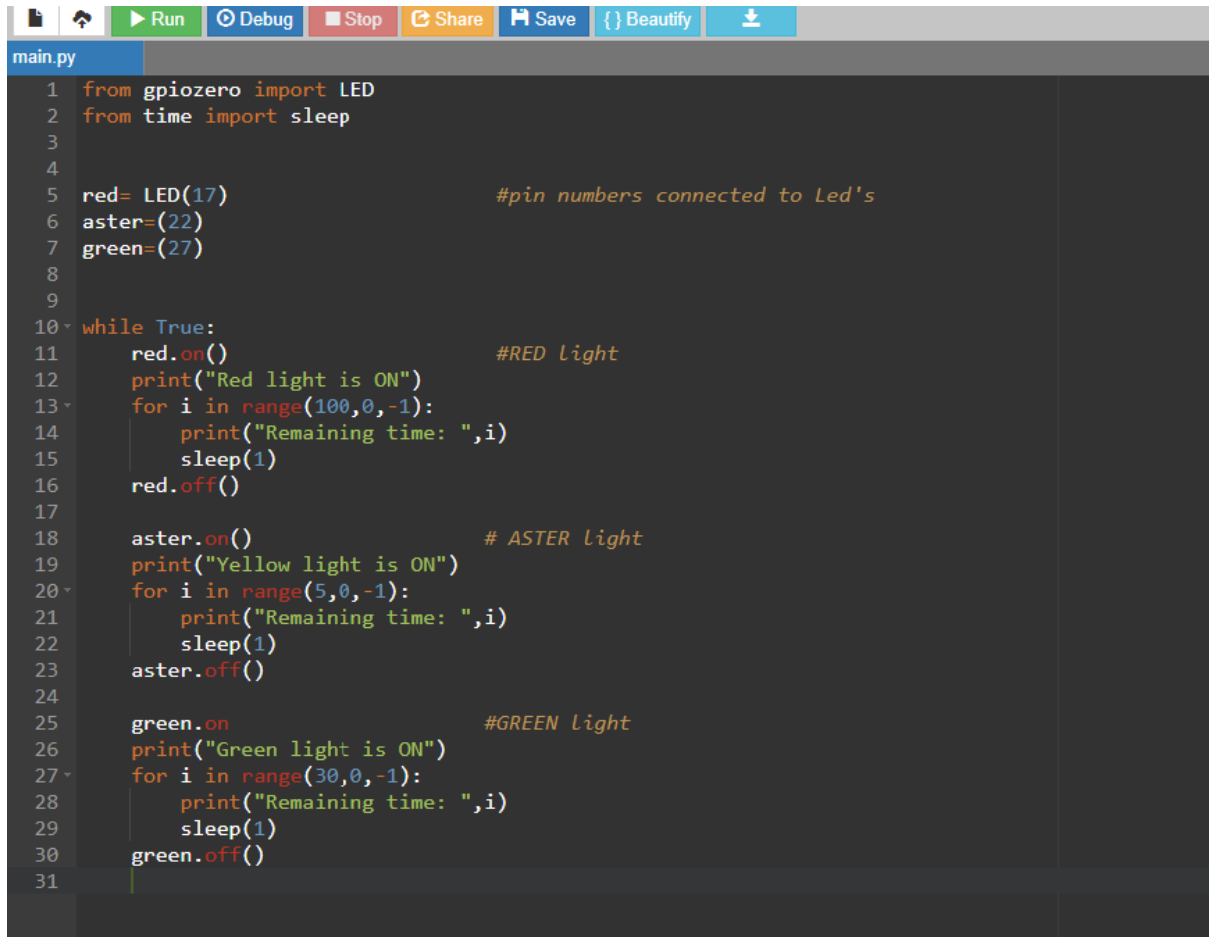
for i in range(30,0,-1):

    print("Remaining time: ",i)

    sleep(1)

green.off()
```

OUTPUT:



```
main.py
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
```