

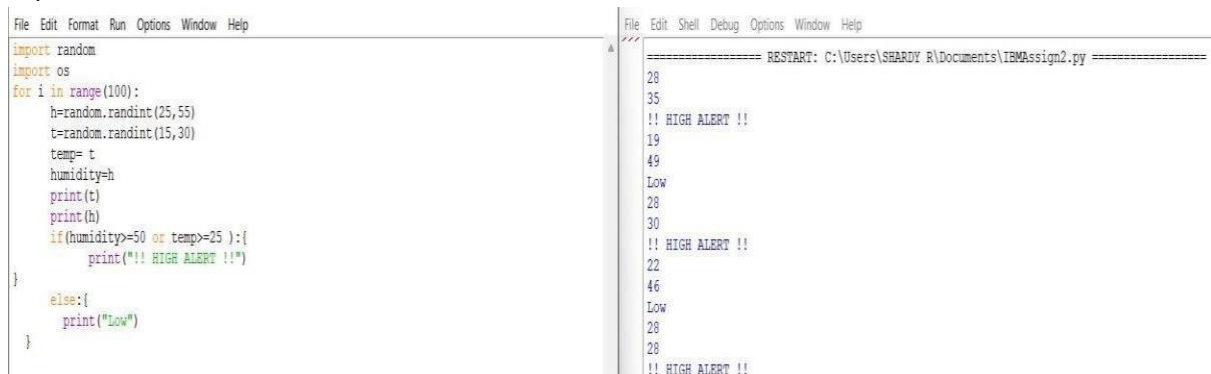
**Assignment -2**  
**Python Programming**

Assignment Date	26 September 2022
Student Name	Abhishek. R
Student Roll Number	610819106001
Maximum Marks	2 Marks

**Question-1:**

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

```
import random
import os
for i in range(100):
    h=random.randint(25,55)
    t=random.randint(15,30)
    temp=t
    humidity=h
    print(t)
    print(h)
    if(humidity>=50 or temp>=25 ):
        print("!! HIGH ALERT !!")
    else:
        print("Low")
}
```

The screenshot shows a Python IDE with two windows. The left window displays the Python code from the previous block. The right window shows the output of the program, which consists of a series of temperature and humidity values printed on each line of the loop. Some lines show '!! HIGH ALERT !!' when the conditions are met, and others show 'Low' when they are not. The output is as follows:

```
===== RESTART: C:\Users\SHARDY R\Documents\IBMAssign2.py =====
28
35
!! HIGH ALERT !!
19
49
Low
28
30
!! HIGH ALERT !!
22
46
Low
28
28
!! HIGH ALERT !!
```