

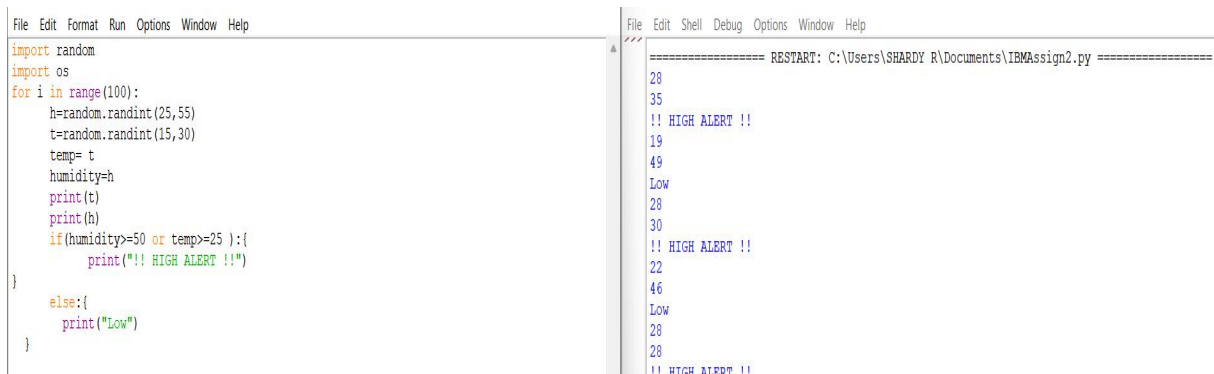
**Assignment -2**  
Python Programming

Assignment Date	26 September 2022
Student Name	Mr. SHARADH R
Student Roll Number	AC19UCS103
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=hs
    print(t)
    print(h)
    if(humidity>=50 or temp>=25 ):{
        print("!! HIGH ALERT !!")
    }
    else:{
        print("Low")
    }
}
```

The image shows a screenshot of a Python IDE with two windows. The left window displays the Python code for generating random temperature and humidity values and checking for high alerts. The right window shows the output of the program, which includes a restart message and a series of values for temperature and humidity, with high alerts triggered when humidity is 50 or higher or temperature is 25 or higher.

```
File Edit Format Run Options Window Help
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")
    }
}
```

```
File Edit Shell Debug Options Window Help
===== 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 !!
```

