

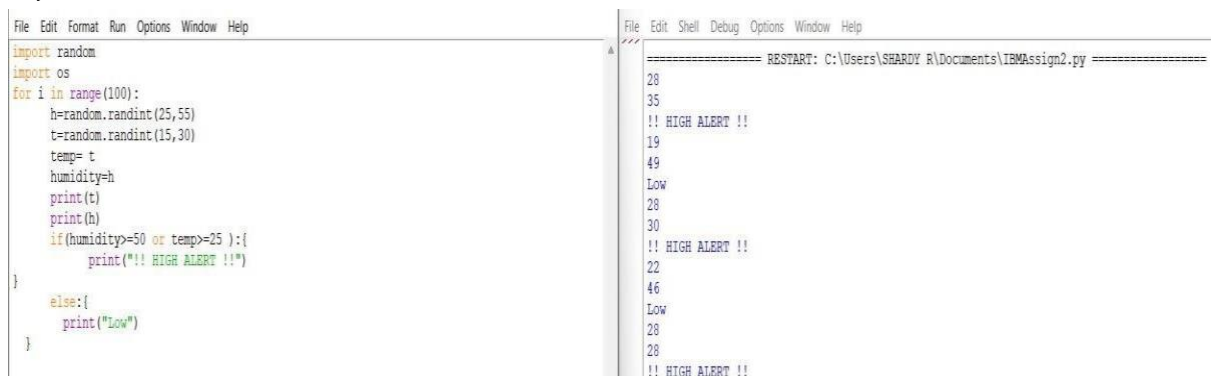
Assignment -2
Python Programming

Assignment Date	26 September 2022
Student Name	Purusotham V
Student Roll Number	610819106042
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 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 series of 'Low' and '!! HIGH ALERT !!' messages. The output window also shows a restart command: 'RESTART: C:\Users\SHARDY R\Documents\IRMAssign2.py'.

```
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\IRMAssign2.py =====
28
35
!! HIGH ALERT !!
19
49
Low
28
30
!! HIGH ALERT !!
22
46
Low
28
28
!! HIGH ALERT !!
```