

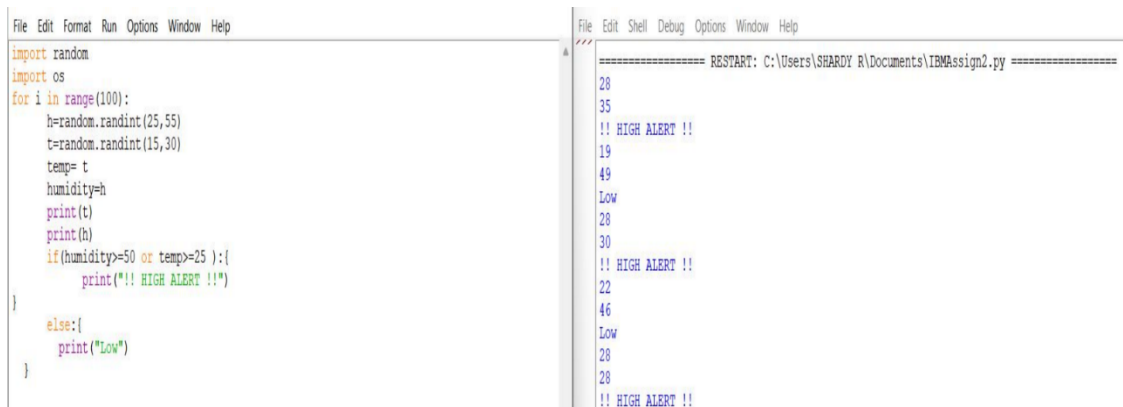
# Assignment -2

## Python Programming

### Question-1:

Build a python code, Assume u get temperature and humidity values (generated with randomfunction 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 screenshot displays a Python IDE with two windows. The left window shows the source code, which is identical to the one provided in the text block. The right window shows the output of the program. It begins with a separator line '==== RESTART: C:\Users\SHARDY R\Documents\IRMAssign2.py ====='. The output consists of a series of values for temperature (t) and humidity (h), with '!! HIGH ALERT !!' printed whenever the humidity is greater than or equal to 50 or the temperature is greater than or equal to 25. The output values are: 28, 35, !! HIGH ALERT !!, 19, 49, Low, 28, 30, !! HIGH ALERT !!, 22, 46, Low, 28, 28, and !! HIGH ALERT !!.

```
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 !!
```

