

Assignment -2

Python Programming

Question-1:

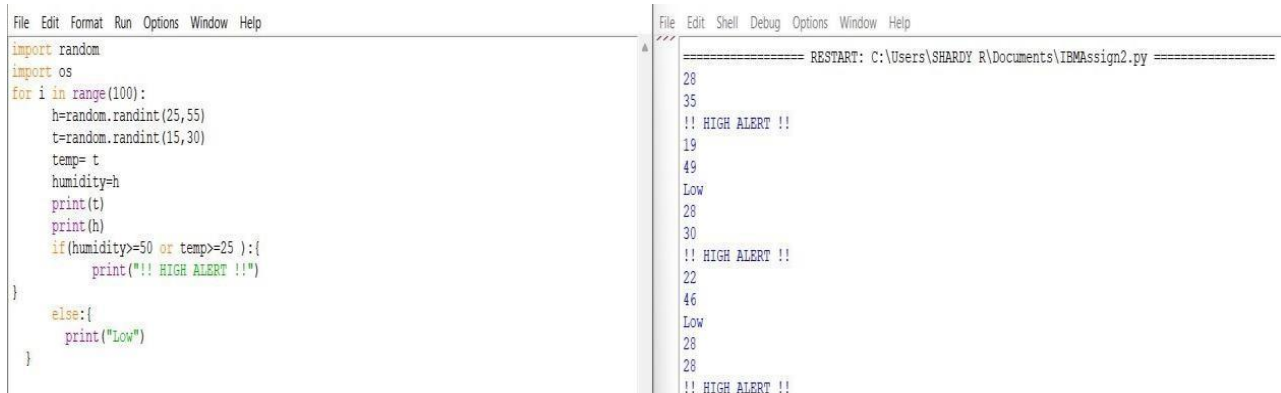
Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

```
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 screenshot displays a Python IDE with two windows. The left window shows the source code, which is identical to the one provided in the previous block. The right window shows the output of the program. The output consists of a series of lines, each representing the values of temperature (t) and humidity (h) generated by the random functions. 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 !!
```