

## ASSIGNMENT – 2

### Python Programming

Assignment Date	26 September 2022
Student Name	Mr. M. Karthick
Student Roll Number	610819106301
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.

#### Solution:

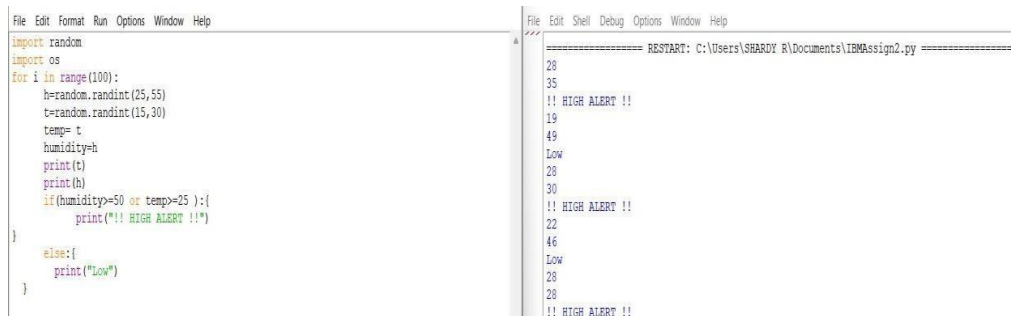
```
import random
import os

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 code from the solution, and the right window shows the output of the program. The code is a loop that generates random temperature and humidity values and prints them. It also checks for high alerts based on the conditions specified in the question.

```
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\IEMAssign2.py =====  
28  
35  
!! HIGH ALERT !!  
19  
49  
Low  
28  
30  
!! HIGH ALERT !!  
22  
46  
Low  
28  
28  
!! HIGH ALERT !!