

Assignment -2
Python Programming

Assignment Date	27 September 2022
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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 series of random values for temperature and humidity, and several instances of the '!! HIGH ALERT !!' message triggered by the conditional logic.

```
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\SEAPDE\Documents\1BMAssign1.py =====
25
35
!! HIGH ALERT !!
19
49
Low
20
30
!! HIGH ALERT !!
22
46
Low
23
20
!! HIGH ALERT !!
```

