

Assignment -2
Python Programming

Assignment Date	27 September 2022
Student Name	Sugaibu Rahuman K
Student Roll Number	711319EC116
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 left screenshot shows a text editor window with the following code:

```
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")
    }
```

The right screenshot shows a terminal window with the following output:

```
File Edit Shell Debug Options Window Help
===== RESTART: C:\Users\SEAPDE\Documents\1BMAssign1.py =====
25
35
!! HIGH ALERT !!
15
49
Low
20
30
!! HIGH ALERT !!
22
46
Low
23
20
!! HIGH ALERT !!
```

