

Assignment -2

Assignment Date	20 September 2022
Student Name	Sujitha S
Student Roll Number	AC19UCS119
Maximum Marks	2 Marks

Question:

Build a python code, Assume you 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 continuously.

Program:

```
import random
import os
for i in range(30,70):
h=random.randint(55,65)
t=random.randint(35,40)
temp= t
humidity=h
print(t)
print(h)
if(humidity>=65 or temp>=40 ):{
    print("!! HIGH ALERT !!")
}
else:{
    print("Low")
}
```

```
8.py - D:/8.py (3.10.1)
File Edit Format Run Options Window Help
import random
import os
for i in range(30,70):
    h=random.randint(55,65)
    t=random.randint(35,40)
    temp= t
    humidity=h
    print(t)
    print(h)
    if(humidity>=65 or temp>=40 ):{
        print("!! HIGH ALERT !!")
    }
    else:{
        print("Low")
    }
}
```

```
IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:41;
AMD64) on win32
Type "help", "copyright", "credits" or "license()" for more
>>>
===== RESTART: E:/IBM/IBMASSIGNMENT2.py
21
42
Low
19
35
Low
28
54
!! HIGH ALERT !!
21
47
Low
17
35
Low
18
46
Low
25
47
!! HIGH ALERT !!
```