

Assignment -2
Python Programming

Assignment Date	26 September 2022
Student Name	Mr.R.VINAYAGA MOORTHY
Student Roll Number	AC19UCS138
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(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)
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    temp= t
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    print(t)
    print(h)
    if(humidity>=65 or temp>=40 ):{
        print("!! HIGH ALERT !!")
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    else:{
        print("Low")
    }
}
```

IDLE Shell 3.10.6

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Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) 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 !!