

Assignment -2
Python Programming

Assignment Date	26 September 2022
Student Name	Ms.Pushpalatha J
Student Roll Number	AC19UCS152
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(35,55)
    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")
    }
```

IBMASSIGNMENT2.py - E:/IBM/IBMASSIGNMENT2.py (3.10.6)

File Edit Format Run Options Window Help

```
import random
import os
for i in range(100):
    h=random.randint(35,55)
    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")
    }
```

IDLE Shell 3.10.6

File Edit Shell Debug Options Window Help

```
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1
AMD64] on win32
Type "help", "copyright", "credits" or "license()" for more informat
>>>
===== 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 !!
28
45
!! HIGH ALERT !!
```