

Assignment -2
Python Programming

Assignment Date	26 September 2022
Student Name	Ms. SARANYA M
Student Roll Number	AC19UCS099
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)

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```
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

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```
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 !!
```