

Assignment -2
Python Programming

Assignment Date	27 September 2022
Student Name	RAM SRI HARI S
Student Roll Number	GCTC1914307
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 Python script in an IDE with the following code:

```
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 the output of the script in a terminal window. The output consists of a series of temperature and humidity values, with "!! HIGH ALERT !!" printed whenever the humidity is greater than or equal to 50 or the temperature is greater than or equal to 25.

```
----- RESTART: C:\Users\REAROF F\Documents\IRMAssign2.py -----
28
35
!! HIGH ALERT !!
19
49
Low
28
30
!! HIGH ALERT !!
22
46
Low
28
28
!! HIGH ALERT !!
```

