

ASSIGNMENT – 2

PYTHON PROGRAMMING

Assignment Date	21 September 2022
Student Name	Kishore R
Student Roll Number	212219040062
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.

Code:

```
import random
import time
while(1):
    temperature=random.randint(0,100)
    humidity=random.randint(10,100)
    print("HUMIDITY :",humidity,"% ")
    print("TEMPERTAURE",temperature,chr(176),"C")
    if(temperature>=0 and temperature<=20):
        print("Temperature is too cold")
    elif(temperature>20 and temperature<=40):
        print("Normal temperature")
    else:
        print("ALERT!!!!")
```

```
print("Tempertaure is too hot")  
  
print("ON Alarm system")  
  
time.sleep(3)  
  
print("\n")
```

Screenshot:



```
*Python 3.7.0 Shell*  
File Edit Shell Debug Options Window Help  
===== RESTART: C:/Users/DELL/Desktop/Python/assignment.py =====  
HUMIDITY : 72 %  
TEMPERTAURE 19 ° C  
Temperature is too cold  
  
HUMIDITY : 85 %  
TEMPERTAURE 21 ° C  
Normal temperature  
  
HUMIDITY : 34 %  
TEMPERTAURE 26 ° C  
Normal temperature  
  
HUMIDITY : 17 %  
TEMPERTAURE 24 ° C  
Normal temperature  
  
HUMIDITY : 24 %  
TEMPERTAURE 15 ° C  
Temperature is too cold  
  
HUMIDITY : 28 %  
TEMPERTAURE 67 ° C  
ALERT!!!!  
Tempertaure is too hot  
ON Alarm system
```