

ASSIGNMENT – 2

PYTHON PROGRAMMING

Assignment Date	21 September 2022
Student Name	Alen Wenish J
Student Roll Number	212219040009
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:

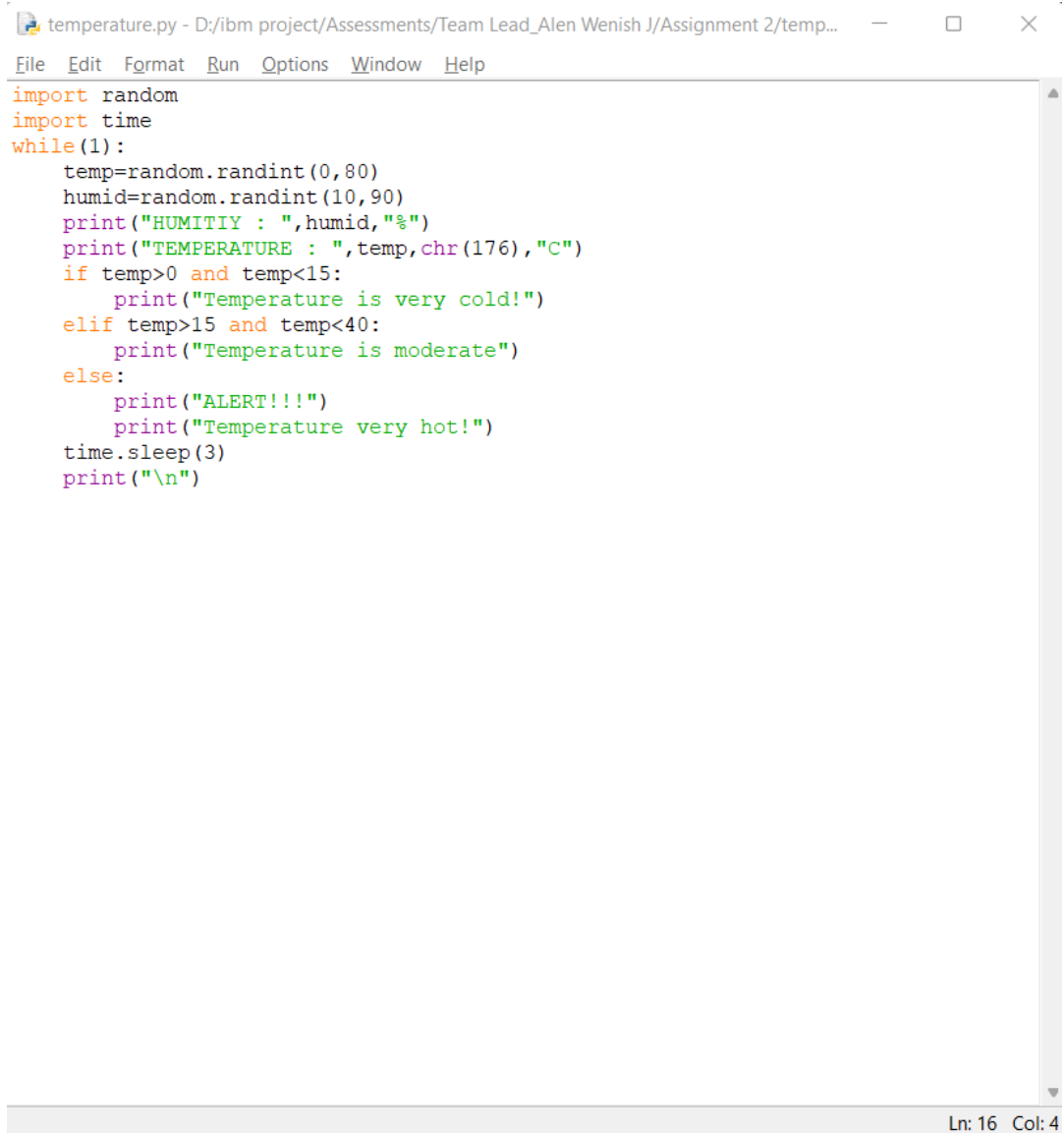
```
import random
import time
while(1):
    temp=random.randint(0,80)
    humid=random.randint(10,90)
    print("HUMITITY : ",humid,"%")
    print("TEMPERATURE : ",temp,chr(176),"C")
    if temp>0 and temp<15:
        print("Temperature is very cold!")
    elif temp>15 and temp<40:
        print("Temperature is moderate")
    else:
        print("ALERT!!!")
```

```
        print("Temperature very hot!")

    time.sleep(3)

    print("\n")
```

Screenshots:



```
temperature.py - D:/ibm project/Assessments/Team Lead_Alen Wenish J/Assignment 2/temp...
File Edit Format Run Options Window Help
import random
import time
while(1):
    temp=random.randint(0,80)
    humid=random.randint(10,90)
    print("HUMIDITY : ",humid,"%")
    print("TEMPERATURE : ",temp,chr(176),"C")
    if temp>0 and temp<15:
        print("Temperature is very cold!")
    elif temp>15 and temp<40:
        print("Temperature is moderate")
    else:
        print("ALERT!!!")
        print("Temperature very hot!")
    time.sleep(3)
    print("\n")
```

Ln: 16 Col: 4

Python 3.9.4 (tags/v3.9.4:1f2e308, Apr 6 2021, 13:40:21) [MSC v.1928 64 bit (AMD64)] on win32

Type "help", "copyright", "credits" or "license()" for more information.

>>>

= RESTART: D:/ibm project/Assessments/Team Lead_Alen Wenish J/Assignment 2/temperature.py

HUMITIIY : 88 %

TEMPERATURE : 51 ° C

ALERT!!!

Temperature very hot!

HUMITIIY : 64 %

TEMPERATURE : 34 ° C

Temperature is moderate

HUMITIIY : 60 %

TEMPERATURE : 47 ° C

ALERT!!!

Temperature very hot!

HUMITIIY : 42 %

TEMPERATURE : 4 ° C

Temperature is very cold!

HUMITIIY : 56 %

TEMPERATURE : 74 ° C

ALERT!!!

Temperature very hot!

HUMITIIY : 35 %

TEMPERATURE : 67 ° C

ALERT!!!

Temperature very hot!