

ASSIGNMENT – 2

Python Programming

Assignment Date	27-09-2022
Student Name	Athira I
Student Roll Number	960219106045
Maximum Marks	2 Marks

QUESTION

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 an alarm in case of high temperature.

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("High temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
    Break
```

OUTPUT

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
High temperature and humidity of: 76 74 % alarm is on
Normal temperature and humidity of: 17 44 % alarm is off
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
Normal temperature and humidity of: 11 35 % alarm is off
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
High temperature and humidity of: 45 68 % alarm is on
Normal temperature and humidity of: 13 48 % alarm is off
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
Normal temperature and humidity of: 33 42 % alarm is off
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
High temperature and humidity of: 81 62 % alarm is on
Normal temperature and humidity of: 32 49 % alarm is off
>>>
===== RESTART: C:/Users/ELCOT/OneDrive/Assignments/Akshaya I/Athira.py =====
Normal temperature and humidity of: 33 26 % alarm is off
>>>
```