

ASSIGNMENT – 2

Python Programming

Assignment Date	27 September 2022
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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 alarm in case of high temperature.

Solution

```
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/sys/Desktop/IBM PAPERS/Ass2.py =====
Normal temperature and humidity of: 25 33 % alarm is off
>>>
>>>
===== RESTART: C:/Users/sys/Desktop/IBM PAPERS/Ass2.py =====
High temperature and humidity of: 45 85 % alarm is on
High temperature and humidity of: 90 92 % alarm is on
High temperature and humidity of: 53 96 % alarm is on
Normal temperature and humidity of: 32 57 % alarm is off
>>>
===== RESTART: C:/Users/sys/Desktop/IBM PAPERS/Ass2.py =====
High temperature and humidity of: 81 98 % alarm is on
High temperature and humidity of: 41 88 % alarm is on
High temperature and humidity of: 46 66 % alarm is on
High temperature and humidity of: 85 87 % alarm is on
High temperature and humidity of: 96 85 % alarm is on
Normal temperature and humidity of: 19 51 % alarm is off
>>>
===== RESTART: C:/Users/sys/Desktop/IBM PAPERS/Ass2.py =====
Normal temperature and humidity of: 18 39 % alarm is off
>>> |
```