

ASSIGNMENT-2
PYTHON PROGRAM

ASSIGNMENT DATE	19 th Sep 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:

PROGRAM:

```
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 temprature 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/Hello/AppData/Local/Programs/Python/Python37/first.py ==

high temperature and humidity of: 85 80 % alarm is on

high temperature and humidity of: 75 87 % alarm is on

high temperature and humidity of: 60 87 % alarm is on

high temperature and humidity of: 46 62 % alarm is on

Normal temperature and humidity of: 22 29 % alarm is off

>>>

== RESTART: C:/Users/Hello/AppData/Local/Programs/Python/Python37/first.py ==

high temperature and humidity of: 83 68 % alarm is on

high temperature and humidity of: 98 64 % alarm is on

high temperature and humidity of: 67 75 % alarm is on

Normal temperature and humidity of: 19 16 % alarm is off

>>>

== RESTART: C:/Users/Hello/AppData/Local/Programs/Python/Python37/first.py ==

high temperature and humidity of: 73 64 % alarm is on

high temperature and humidity of: 82 97 % alarm is on

high temperature and humidity of: 94 69 % alarm is on

Normal temperature and humidity of: 10 43 % alarm is off

>>> |