

ASSIGNMENT 2

Date	27 September 2022
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Build a python code, assume you get temperature and humidity values (generated with random function to a variable) and write a condition continuously detect alarm in case of high temperature.

PROGRAM

```
import random

while(True):

    a=random.randint(0,50)

    b=random.randint(20,90)

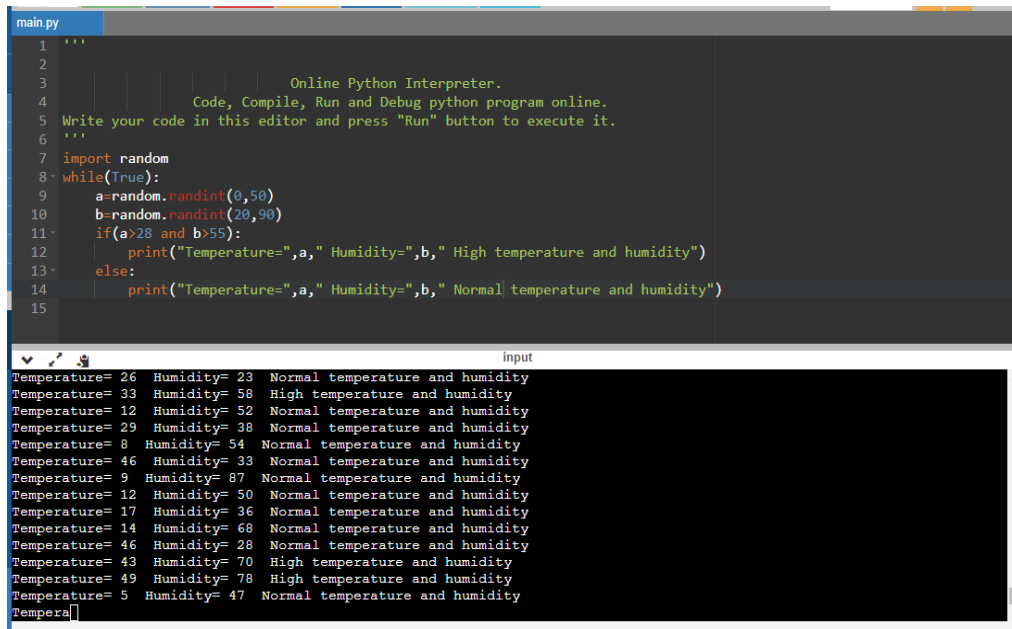
    if(t>28 and h>55):

        print("Temperature=",a," Humidity=",b," High temperature and humidity")

    else:

        print("Temperature=",a," Humidity=",b," Normal temperature and humidity")
```

OUTPUT



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 '''
2
3 Online Python Interpreter.
4 Code, Compile, Run and Debug python program online.
5 Write your code in this editor and press "Run" button to execute it.
6 '''
7 import random
8 while(True):
9     a=random.randint(0,50)
10    b=random.randint(20,90)
11    if(a>28 and b>55):
12        print("Temperature=",a," Humidity=",b," High temperature and humidity")
13    else:
14        print("Temperature=",a," Humidity=",b," Normal temperature and humidity")
15
```

The output window shows the following results:

```
Temperature= 26 Humidity= 23 Normal temperature and humidity
Temperature= 33 Humidity= 58 High temperature and humidity
Temperature= 12 Humidity= 52 Normal temperature and humidity
Temperature= 29 Humidity= 38 Normal temperature and humidity
Temperature= 8 Humidity= 54 Normal temperature and humidity
Temperature= 46 Humidity= 33 Normal temperature and humidity
Temperature= 9 Humidity= 87 Normal temperature and humidity
Temperature= 12 Humidity= 50 Normal temperature and humidity
Temperature= 17 Humidity= 36 Normal temperature and humidity
Temperature= 14 Humidity= 68 Normal temperature and humidity
Temperature= 46 Humidity= 28 Normal temperature and humidity
Temperature= 43 Humidity= 70 High temperature and humidity
Temperature= 49 Humidity= 78 High temperature and humidity
Temperature= 5 Humidity= 47 Normal temperature and humidity
Tempera[
```