

Assignment -2

Python Programming

Assignment Date	21 September 2022
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Maximum Marks	

Question-1:

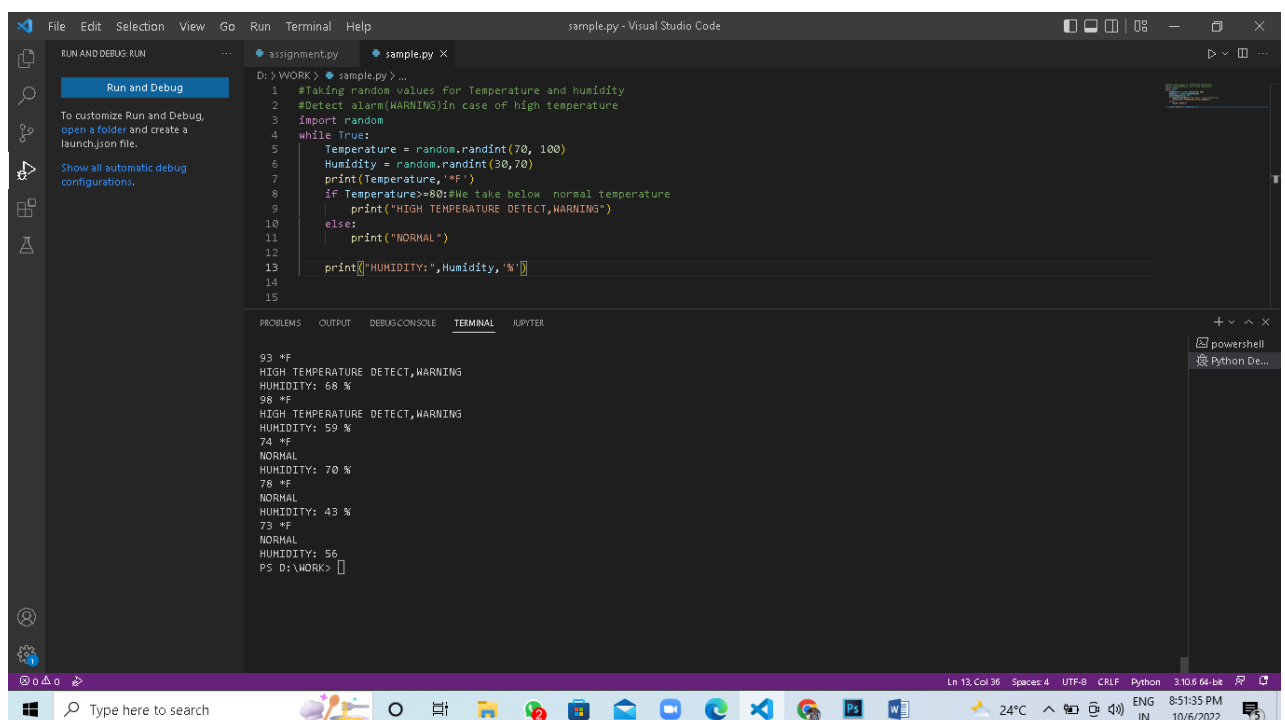
Build a python code, Assume you get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

SOLUTION:

```
#Taking random values for Temperature and humidity
#Detect alarm(WARNING)in case of high temperature
import random
while True:
    Temperature = random.randint(70, 100)
    Humidity = random.randint(30,70)
    print(Temperature,'*F')
    if Temperature>=80:#We take below normal temperature
        print("HIGH TEMPERATURE DETECT,WARNING")
    else:
        print("NORMAL")

    print("HUMIDITY:",Humidity,'%')
```

OUTPUT;



```
File Edit Selection View Go Run Terminal Help
sample.py - Visual Studio Code
D:\WORK> sample.py
1 #Taking random values for Temperature and humidity
2 #Detect alarm(WARNING)in case of high temperature
3 import random
4 while True:
5     Temperature = random.randint(70, 100)
6     Humidity = random.randint(30,70)
7     print(Temperature,'*F')
8     if Temperature>=80:#We take below normal temperature
9         print("HIGH TEMPERATURE DETECT,WARNING")
10    else:
11        print("NORMAL")
12
13    print("HUMIDITY:",Humidity,'%')
14
15
93 *F
HIGH TEMPERATURE DETECT,WARNING
HUMIDITY: 68 %
98 *F
HIGH TEMPERATURE DETECT,WARNING
HUMIDITY: 59 %
74 *F
NORMAL
HUMIDITY: 70 %
78 *F
NORMAL
HUMIDITY: 43 %
73 *F
NORMAL
HUMIDITY: 56
PS D:\WORK>
```