ASSIGNMENT - 2

By
Sandhiya K

AIM:

Write a python code to find temperature and humidity continuously and provide alert message to the user when the temperature is high

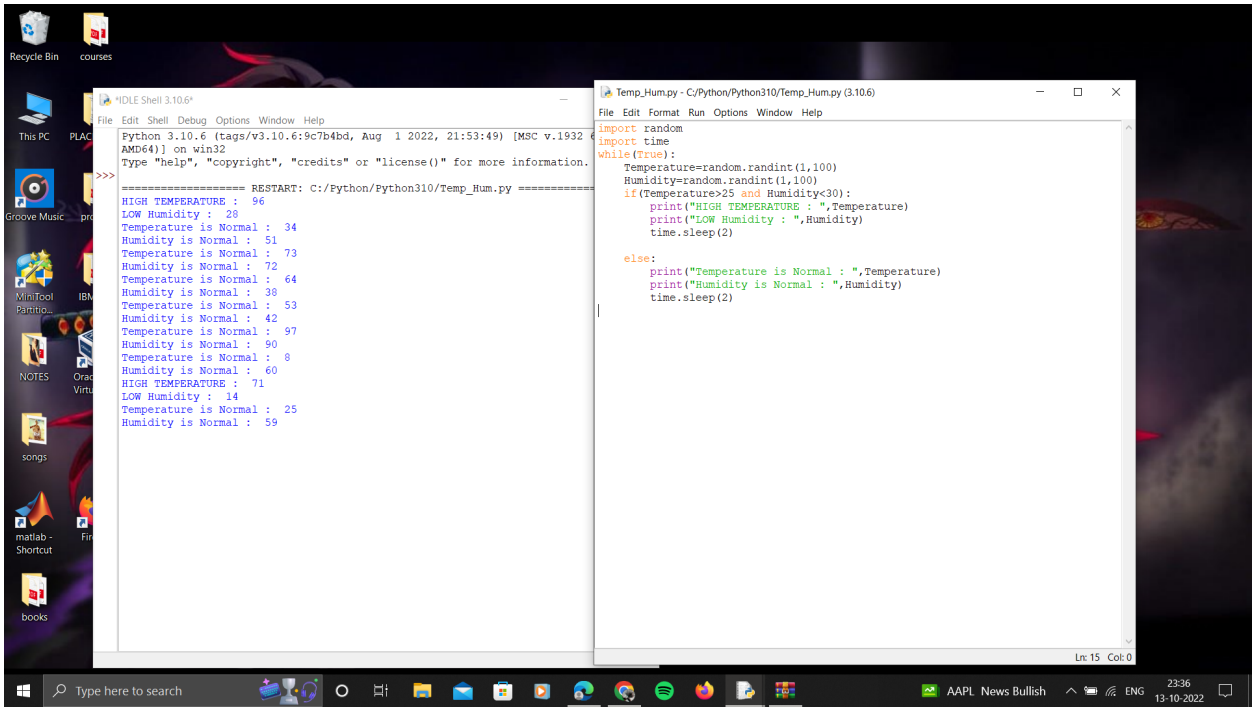
Assume: temperature and humidity are given

CODE:

```
import random
import time
while(True):
    Temperature=random.randint(1,100)
    Humidity=random.randint(1,100)
    if(Temperature>25 and Humidity<30):
        print("HIGH TEMPERATURE : ",Temperature)
        print("LOW Humidity : ",Humidity)
        time.sleep(2)

    else:
        print("Temperature is Normal : ",Temperature)
        print("Humidity is Normal : ",Humidity)
        time.sleep(2)
```

OUTPUT:


IDLE Shell 3.10.6
File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Python/Python310/Temp_Hum.py ==========
HIGH TEMPERATURE : 96
LOW Humidity : 28
Temperature is Normal : 34
Humidity is Normal : 51
Temperature is Normal : 73
Humidity is Normal : 72
Temperature is Normal : 64
Humidity is Normal : 38
Temperature is Normal : 53
Humidity is Normal : 42
Temperature is Normal : 97
Humidity is Normal : 90
Temperature is Normal : 8
Humidity is Normal : 60
HIGH TEMPERATURE : 71
LOW Humidity : 14
Temperature is Normal : 25
Humidity is Normal : 59
Temp_Hum.py - C:/Python/Python310/Temp_Hum.py (3.10.6)
File Edit Format Run Options Window Help
import random
import time
while(True):
Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
if(Temperature>25 and Humidity<30):
print("HIGH TEMPERATURE : ",Temperature)
print("LOW Humidity : ",Humidity)
time.sleep(2)
else:
print("Temperature is Normal : ",Temperature)
print("Humidity is Normal : ",Humidity)
time.sleep(2)
Ln: 15 Col: 0
Recycle Bin
courses
This PC
Groove Music
MiniTool Partitio...
NOTES
songs
matlab - Shortcut
books
Type here to search
AAPL News Bullish
ENG
23:36
13-10-2022