ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINUOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE.

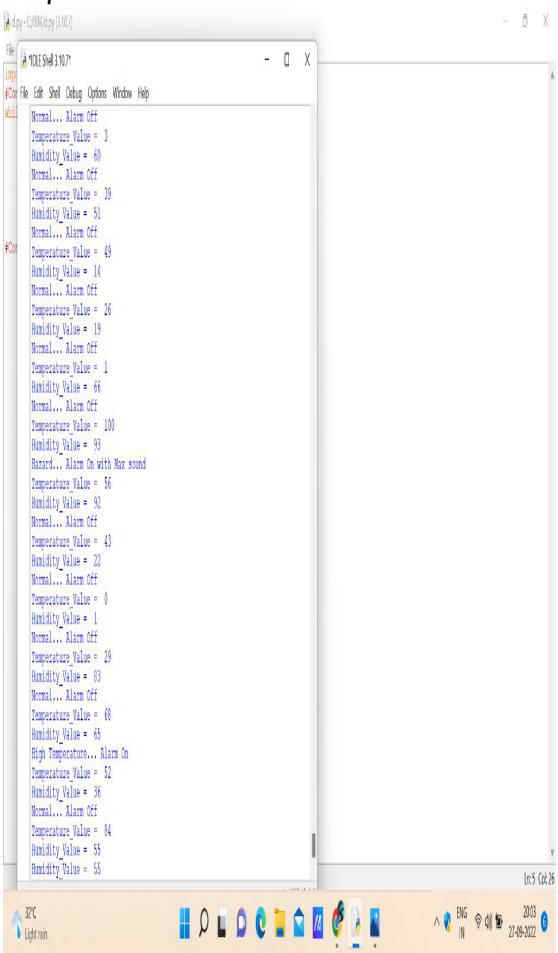
CODE :

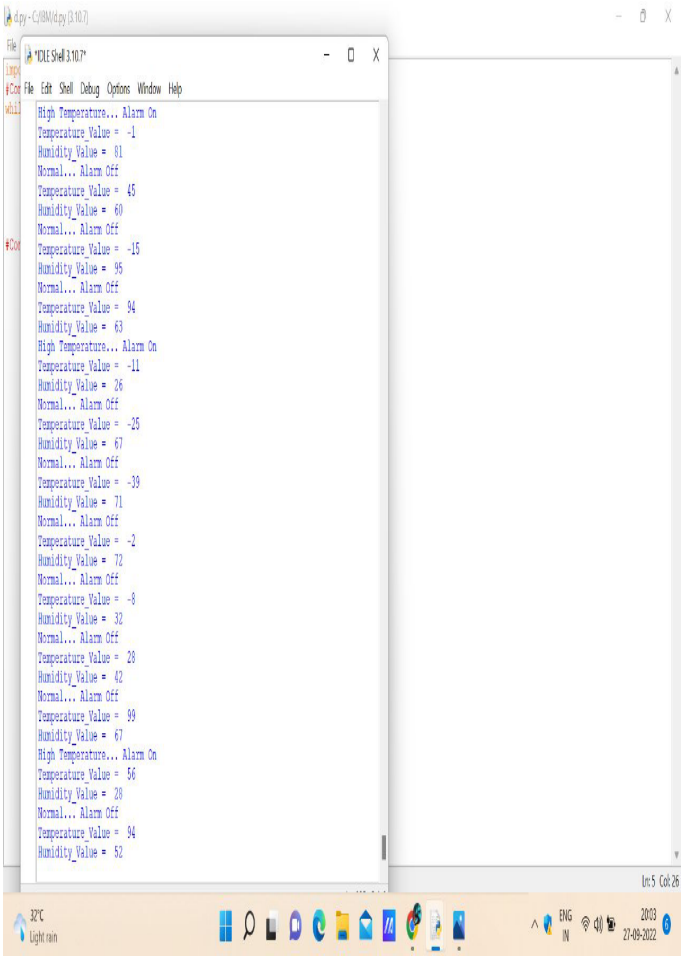
```
import random
#Condition to check continuously
while(True):
    #Input Values
    T = random.randint(-30,100)
    H = random.randint(0,100)
    print("Temperature = ",T)
    print("Humidity = ",H)

#Condition for Alarm

    if T>60:
        if H>80:
            print("Hazard... Alarm On with Max sound")
        else:
            print("High Temperature... Alarm On")
    elif T==60:
        print("Temp at Max level... Alarm On")
    else:
        print("Normal... No Alarm")
```

Output:




d.py - C:/IBM/d.py (3.10.7)
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
High Temperature... Alarm On
Temperature_Value = -1
Humidity_Value = 81
Normal... Alarm Off
Temperature_Value = 45
Humidity_Value = 60
Normal... Alarm Off
Temperature_Value = -15
Humidity_Value = 95
Normal... Alarm Off
Temperature_Value = 94
Humidity_Value = 63
High Temperature... Alarm On
Temperature_Value = -11
Humidity_Value = 26
Normal... Alarm Off
Temperature_Value = -25
Humidity_Value = 67
Normal... Alarm Off
Temperature_Value = -39
Humidity_Value = 71
Normal... Alarm Off
Temperature_Value = -2
Humidity_Value = 72
Normal... Alarm Off
Temperature_Value = -8
Humidity_Value = 32
Normal... Alarm Off
Temperature_Value = 28
Humidity_Value = 42
Normal... Alarm Off
Temperature_Value = 99
Humidity_Value = 67
High Temperature... Alarm On
Temperature_Value = 56
Humidity_Value = 28
Normal... Alarm Off
Temperature_Value = 94
Humidity_Value = 52
Ln: 5 Col: 26
32°C
Light rain
ENG
IN
2003
27-09-2022