

ASSIGNMENT 2

Question :

Build a Python Code, Assume to get Temperature and Humidity Values and write a condition to continuously detect alarm in case of high temperature

Code :

```
#Temperature and Humidity Value Given
#Manually will assign to this
#temp and hum variable

temp=int(input("Enter Temperature Value in Celsius : "))
hum=int(input("Enter Humidity Value in % : "))

if(temp>=38):
    #Number of Times to allow for alert the Alarm
    n=int(input("Number of Times to Continue the Alert : "))
    for i in range (n):
        print("Alert !!,Alarm is Detected")
else :
    print("The Temperature is Moderate")
```

Output :

The image displays two screenshots of a Python IDE interface, showing the execution of a program that checks for high temperature and humidity.

Top Screenshot:

- Code (main.py):**

```
1 #Temperature and Humidity Value Given Manually will assign to this
2 #temp and hum variable
3
4 temp=int(input("Enter Temperature Value in Celsius : "))
5 hum=int(input("Enter Humidity Value in % : "))
6
7- if(temp>=38):
8     #Number of Times to allow for alert the Alarm
9     n=int(input("Number of Times to Continue the Alert : "))
10-     for i in range (n):
11         print("Alert !!,Alarm is Detected")
12- else :
13     print("The Temperature is Moderate")
14
```
- Shell:**

```
Enter Temperature Value in Celsius : 40
Enter Humidity Value in % : 55
Number of Times to Continue the Alert : 10
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
Alert !!,Alarm is Detected
>
```

Bottom Screenshot:

- Code (main.py):** (Same code as above)
- Shell:**

```
Enter Temperature Value in Celsius : 32
Enter Humidity Value in % : 40
The Temperature is Moderate
>
```