

## ASSIGNMENT -2 SUBMITTED BY SANGEETHA S

### BATCH B7 1A3E-IOT

#### PROGRAM:

```
import random

temp_startvalue=int(input("Enter the temp start value:"))
temp_endvalue=int(input("Enter the temp end value:"))
humid_startvalue=int(input("Enter the humid start value:"))
humid_endvalue=int(input("Enter the humid end value:"))

for i in range(0,10):

    n = random.randint(temp_startvalue,temp_endvalue)
    c=random.randint(humid_startvalue,humid_endvalue)
    print("\t")
    print(i+1,".Temperature is ",n,"degree")
    print(i+1,".Humidity value is ",c)
    if n>20 and c>20:

        print("Alarm is detected because of high temperature and
humidity")
        print("\t")
    else:
        print("Alarm is not detected")
        print("\t")
```

## OUTPUT:

```
IDLE Shell 3.8.9
File Edit Shell Debug Options Window Help
Python 3.8.9 (tags/v3.8.9:a743f81, Apr 6 2021, 13:22:56) [MSC v.1928 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Admin\Downloads\IBM Project\ASSIGNMENT 2 B7-1A3E-SANGEETHA S.py
Enter the temp start value:1
Enter the temp end value:25
Enter the humid start value:25
Enter the humid end value:100
1 .Temperature is 11 degree
1 .Humidity value is 58
Alarm is not detected

2 .Temperature is 2 degree
2 .Humidity value is 45
Alarm is not detected

3 .Temperature is 10 degree
3 .Humidity value is 80
Alarm is not detected

4 .Temperature is 23 degree
4 .Humidity value is 46
Alarm is detected because of high temperature and humidity

5 .Temperature is 22 degree
5 .Humidity value is 59
Alarm is detected because of high temperature and humidity

6 .Temperature is 24 degree
6 .Humidity value is 69
Alarm is detected because of high temperature and humidity

7 .Temperature is 1 degree
7 .Humidity value is 60
>>>
```

Ln: 59 Col: 4

80°F Mostly clear

```
IDLE Shell 3.8.9
File Edit Shell Debug Options Window Help
3 .Temperature is 10 degree
3 .Humidity value is 80
Alarm is not detected

4 .Temperature is 23 degree
4 .Humidity value is 46
Alarm is detected because of high temperature and humidity

5 .Temperature is 22 degree
5 .Humidity value is 59
Alarm is detected because of high temperature and humidity

6 .Temperature is 24 degree
6 .Humidity value is 69
Alarm is detected because of high temperature and humidity

7 .Temperature is 1 degree
7 .Humidity value is 60
Alarm is not detected

8 .Temperature is 7 degree
8 .Humidity value is 73
Alarm is not detected

9 .Temperature is 25 degree
9 .Humidity value is 30
Alarm is detected because of high temperature and humidity

10 .Temperature is 1 degree
10 .Humidity value is 44
Alarm is not detected

>>>
```

Ln: 59 Col: 4

80°F Mostly clear