<u>ASSIGNMENT -2</u>

<u>BATCH B7 1A3E-IOT</u>

<u>SUBMITTED BY TAMIL ENIYAL S</u>

<u>PROGRAM:</u>

```python
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
```

```
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
```