

PYTHON CODING TO FIND OUT THE WEATHER USING HUMIDITY AND TEMPERATURE SENSOR

SOURCE CODE :

```
import time

import random

i=0

while(i<=2000):

    i=i+1

    time.sleep(5)

    temp=random.randint(0,30)

    humid=random.randint(1,100)

    if temp<=15:

        print(temp,"the temperature is low")

    elif temp<=25:

        print(temp,"the temperature is normal")

    else:

        print(temp,"the temperature is high")

    if humid<=15:

        print(humid,"the humidity is low")

    elif humid<=80:

        print(humid,"the humidity is normal")

    else:

        print(humid,"the humidity is high")
```

OUTPUT :

8 the temperature is low

78 the humidity is normal

1 the temperature is low

48 the humidity is normal

20 the temperature is normal

87 the humidity is high

26 the temperature is high

79 the humidity is normal

5 the temperature is low

47 the humidity is normal

1 the temperature is low

58 the humidity is normal

0 the temperature is low

16 the humidity is normal

22 the temperature is normal

84 the humidity is high

14 the temperature is low

7 the humidity is low

9 the temperature is low

45 the humidity is normal

24 the temperature is normal

74 the humidity is normal

30 the temperature is high

70 the humidity is normal

16 the temperature is normal

70 the humidity is normal

19 the temperature is normal

12 the humidity is low

28 the temperature is high

1 the humidity is low

10 the temperature is low

41 the humidity is normal

17 the temperature is normal

35 the humidity is normal

19 the temperature is normal

27 the humidity is normal

28 the temperature is high

88 the humidity is high

6 the temperature is low

95 the humidity is high

3 the temperature is low

22 the humidity is normal

3 the temperature is low

42 the humidity is normal

2 the temperature is low

54 the humidity is normal

28 the temperature is high

65 the humidity is normal

7 the temperature is low

7 the humidity is low

16 the temperature is normal

36 the humidity is normal

2 the temperature is low

72 the humidity is normal
17 the temperature is normal
12 the humidity is low
26 the temperature is high
52 the humidity is normal
13 the temperature is low
62 the humidity is normal
0 the temperature is low
96 the humidity is high
5 the temperature is low
51 the humidity is normal
13 the temperature is low
69 the humidity is normal
18 the temperature is normal
29 the humidity is normal
13 the temperature is low
36 the humidity is normal
20 the temperature is normal
68 the humidity is normal
25 the temperature is normal
34 the humidity is normal
9 the temperature is low
23 the humidity is normal
20 the temperature is normal
30 the humidity is normal
2 the temperature is low
55 the humidity is normal

1 the temperature is low
56 the humidity is normal
14 the temperature is low
42 the humidity is normal
12 the temperature is low
39 the humidity is normal
25 the temperature is normal
63 the humidity is normal
7 the temperature is low
81 the humidity is high
6 the temperature is low
70 the humidity is normal
14 the temperature is low
86 the humidity is high
10 the temperature is low
93 the humidity is high
17 the temperature is normal
95 the humidity is high
18 the temperature is normal
66 the humidity is normal
29 the temperature is high
79 the humidity is normal
12 the temperature is low
12 the humidity is low
7 the temperature is low
69 the humidity is normal
8 the temperature is low

100 the humidity is high

24 the temperature is normal

69 the humidity is normal

12 the temperature is low

72 the humidity is normal

25 the temperature is normal

58 the humidity is normal