

ASSIGNMENT-2

-P.SAKTHI

Build a Python code, Assume you get temperature and humidity values (generated with random function to a variable) and Write a condition to continuously detect an alarm in case of high temperature.

Program :

```
import random

while(True):

    t=random.randint(10,99)
    h=random.randint(10,99)

    if(t>30 and h<40):

        print(" Temperature and Humidity values are : ",t, h )

        print(" High temperature and Alarm is ON ")

    elif(t<30 and h>40):

        print(" Temperature and Humidity values are : ",t, h )

        print(" Low temperature and Alarm is OFF ")
```

CODING

```
main.py
1
2
3 ''' Build a Python code, Assume you get temperature and humidity values
4     (generated with random function to a variable) and Write a condition

Input
Low temprature and Alarm is OFF
Temperature and Humidity values are : 94 16
High temprature and Alarm is ON
Temperature and Humidity values are : 21 64
Low temprature and Alarm is OFF
Temperature and Humidity values are : 79 15
High temprature and Alarm is ON
Temperature and Humidity values are : 94 18
High temprature and Alarm is ON
Temperature and Humidity values are : 78 26
High temprature and Alarm is ON
Temperature and Humidity values are : 48 27
High temprature and Alarm is ON
Temperature and Humidity values are : 16 83
Low temprature and Alarm is OFF
Temperature and Humidity values are : 57 35
High temprature and Alarm is ON
Temperature and Humidity values are : 23 02
Low temprature and Alarm is OFF
Temperature and Humidity values are : 32 18
High temprature and Alarm is ON
Temperature and Humidity values are : 14 83
Low temprature and Alarm is OFF
Temperature and Humidity values are : 24 62
Low temprature and Alarm is OFF
Temperature and Humidity values are : 99 32
High tempr
```

OUTPUT:

```
main.py
1
2
3 ''' Build a Python code, Assume you get temperature and humidity values
4     (generated with random function to a variable) and Write a condition
5
6 Low temprature and Alarm is OFF
7 Temperature and Humidity values are : 94 16
8 High temprature and Alarm is ON
9 Temperature and Humidity values are : 21 64
10 Low temprature and Alarm is OFF
11 Temperature and Humidity values are : 79 15
12 High temprature and Alarm is ON
13 Temperature and Humidity values are : 94 18
14 High temprature and Alarm is ON
15 Temperature and Humidity values are : 78 26
16 High temprature and Alarm is ON
17 Temperature and Humidity values are : 48 27
18 High temprature and Alarm is ON
19 Temperature and Humidity values are : 16 85
20 Low temprature and Alarm is OFF
21 Temperature and Humidity values are : 57 35
22 High temprature and Alarm is ON
23 Temperature and Humidity values are : 23 82
24 Low temprature and Alarm is OFF
25 Temperature and Humidity values are : 32 18
26 High temprature and Alarm is ON
27 Temperature and Humidity values are : 14 83
28 Low temprature and Alarm is OFF
29 Temperature and Humidity values are : 24 62
30 Low temprature and Alarm is OFF
31 Temperature and Humidity values are : 99 32
32 High tempr
```

