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

```
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 85
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 82
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:

```
 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
```

```
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 85
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 82
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
```