

ASSUME U GET TEMPERATURE AND HUMIDITY VALUES AND WRITE A CONDITION TO CONTINUOUSLY DETECT ALARM IN CASE OF HIGH TEMPERATURE.

CODE :

```
import random
#Condition to check continuously
while(True):
    #Input Values
    T = random.randint(-30,100)
    H = random.randint(0,100)
    print("Temperature = ",T)
    print("Humidity = ",H)

#Condition for Alarm

    if T>60:
        if H>80:
            print("Hazard... Alarm On with Max sound")
        else:
            print("High Temperature... Alarm On")
    elif T==60:
        print("Temp at Max level... Alarm On")
    else:
        print("Normal... No Alarm")
```

Output:



```
Normal... Alarm Off
Temperature Value = 1
Humidity Value = 40
Normal... Alarm Off
Temperature Value = 39
Humidity Value = 51
Normal... Alarm Off
Temperature Value = 49
Humidity Value = 14
Normal... Alarm Off
Temperature Value = 26
Humidity Value = 19
Normal... Alarm Off
Temperature Value = 1
Humidity Value = 66
Normal... Alarm Off
Temperature Value = 100
Humidity Value = 93
Hazard... Alarm On with Max sound
Temperature Value = 56
Humidity Value = 92
Normal... Alarm Off
Temperature Value = 43
Humidity Value = 22
Normal... Alarm Off
Temperature Value = 0
Humidity Value = 1
Normal... Alarm Off
Temperature Value = 29
Humidity Value = 63
Normal... Alarm Off
Temperature Value = 68
Humidity Value = 68
High Temperature... Alarm On
Temperature Value = 52
Humidity Value = 36
Normal... Alarm Off
Temperature Value = 84
Humidity Value = 55
Humidity Value = 55
```



