

ASSIGNMENT -2

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Program

```
import random while(True):  
temp=random.randint(10,99)  
humid=random.randint(10,99)  
print("current temperature:",temp)  
print("current humidity:",humid,"%")  
temp_ref=37 humid_ref=35 if  
temp>temp_ref andhumid<humid_ref:  
    print("Sound alarm")  
else:  
    print("Sound off")  
break
```

OUTPUT:

```
13
LOW TEMPERATURE &ALARM TURNS OFF
24
LOW TEMPERATURE &ALARM TURNS OFF
24
45
LOW TEMPERATURE &ALARM TURNS OFF
13
61
LOW TEMPERATURE &ALARM TURNS OFF
2
61
HIGH TEMPERATURE & ALARM TRIGGERS
36
77
HIGH TEMPERATURE & ALARM TRIGGERS
24
77
LOW TEMPERATURE &ALARM TURNS OFF
42
67
HIGH TEMPERATURE & ALARM TRIGGERS
14
34
LOW TEMPERATURE &ALARM TURNS OFF
29
6
LOW TEMPERATURE &ALARM TURNS OFF
42
89
HIGH TEMPERATURE & ALARM TRIGGERS
40
53
HIGH TEMPERATURE & ALARM TRIGGERS
39
86
HIGH TEMPERATURE & ALARM TRIGGERS
14
31
LOW TEMPERATURE &ALARM TURNS OFF
14
```

By,
M.Maria leo mesha