

ASSIGNMENT -2

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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 and humid<humid_ref:

        print("Sound alarm")

    else:

        print("Sound off")

    break
```

Output;

55
LOW TEMPERATURE &ALARM TURNS OFF
13
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
69
HIGH TEMPERATURE & ALARM TRIGGERS
40
53
HIGH TEMPERATURE & ALARM TRIGGERS
39
96
HIGH TEMPERATURE & ALARM TRIGGERS
14
31
LOW TEMPERATURE &ALARM TURNS OFF
14
