

## 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 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
```

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Done by:C.M.Benoj