

ASSIGNMENT -2

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 alarm in case of high temperature.

CODE:

```
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:

```
58 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
63 HIGH TEMPERATURE & ALARM TRIGGERS
39
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
```
