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:

```
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
81
HIGH TEMPERATURE & ALARM TRIGGERS
38
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
96
HIGH TEMPERATURE & ALARM TRIGGERS
14
31
LOW TEMPERATURE &ALARM TURNS OFF
14
```

By,

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