

ASSIGNMENT II

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.

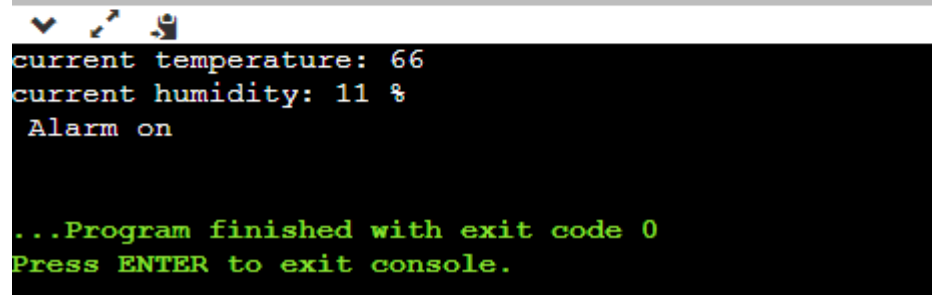
CODE:

```
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:

i) ALARM ON

```
9 import random
10 while(True):
11     temp=random.randint(10,99)
12     humid=random.randint(10,99)
13     print("current temperature:",temp)
14     print("current humidity:",humid,"%")
15     temp_ref=37
16     humid_ref=35
17     if temp>temp_ref and humid<humid_ref:
18         print(" Alarm on")
19     else:
20         print("Alarm off")
21     break
22
```



```
current temperature: 66
current humidity: 11 %
Alarm on

...Program finished with exit code 0
Press ENTER to exit console.
```

ii) ALARM OFF

```
9 import random
10 while(True):
11     temp=random.randint(10,99)
12     humid=random.randint(10,99)
13     print("current temperature:",temp)
14     print("current humidity:",humid,"%")
15     temp_ref=37
16     humid_ref=35
17     if temp>temp_ref and humid<humid_ref:
18         print(" Alarm on")
19     else:
20         print("Alarm off")
21         break
22
23
```

```
current temperature: 81
current humidity: 83 %
Alarm off

...Program finished with exit code 0
Press ENTER to exit console.
```