

To Get Temperature and Humidity Value and To Detect Alarm in High Temperature.

Program:

```
import random
while (True):
    temperature=random.randint(10,99)
    humidity=random.randint(10,99)
    print("Current Temperature: ",temperature)
    print("Current Humidity: ",humidity,"%")
    temperature_ref=40
    humidity_ref=45
    if temperature>temperature_ref and humidity<humidity_ref:
        print("Alarm is ON")
    else:
        print("Alarm is OFF") break
```

Output:

9:44 PM

4G+ 27%

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main.py

Shell



```
1 import random
2 while (True):
3     temperature=random.randint(10,99)
4     humidity=random.randint(10,99)
5     print("Current Temperature: "
6           ,temperature)
7     print("Current Humidity: ",humidity
8           ,"%")
9     temperature_ref=40
10    humidity_ref=45
11    if temperature>temperature_ref and
12        humidity<humidity_ref:
13        print("Alarm is ON")
14    else:
15        print("Alarm is OFF")
16        break
```

Run

9:44 PM

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main.py

Shell



Current Temperature: 52

Current Humidity: 83 %

Alarm is OFF

> |