

ASSIGNMENT 2

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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
```

Result:

main.py	Run	Shell
<pre>1 import random 2 while(True): 3 temp=random.randint(10,99) 4 humid=random.randint(10,99) 5 print("current temperature:",temp) 6 print("current humidity:",humid,"%") 7 temp_ref=37 8 humid_ref=35 9 if temp>temp_ref and humid<humid_ref: 10 print("Sound Alarm") 11 else: 12 print("Sound off") 13 break</pre>		<pre>current temperature: 65 current humidity: 80 % Sound off > </pre>