

SONA COLLEGE OF TECHNOLOGY

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Assignment: Build a python code. Assume u get temperature and humidity values and write a condition to continuously detect alarm in case of high temperature

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CODE:

```
import random while(True):
temp=random.randint(10,99)
humid=random.randint(10,99)

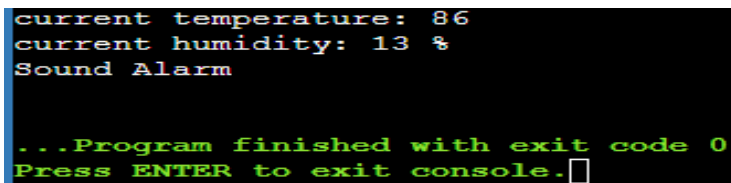
print("current temperature:",temp)
print("current humidity:",humid,"%")
temp_ref=37
humid_ref=35
if temp>temp_ref and humid<humid_ref:
    print("Sound Alarm")
else:
    print("Sound off")break
```

PROGRAMME:



```
1 '''
2
3 Online Python Compiler.
4 Code, Compile, Run and Debug python program online.
5 Write your code in this editor and press "Run" button to execute it.
6
7 '''
8
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("Sound Alarm")
19     else:
20         print("Sound off")
21     break
22
```

Output:



```
current temperature: 86
current humidity: 13 %
Sound Alarm

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