

**Assignment -2**  
Python Programming

Assignment Date	06 October 2022
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Maximum Marks	2 Marks

**Question:**

Build a python code. Assume you get temperature and humidity values (generated with random functions to variable) and write a condition to continuously detect alarm in case of high temperature.

**Solution:**

```
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_refandhumid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
    break
```

**Output:**

<pre>main.py 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&gt;temp_refandhumid&lt;humid_ref: 10         print("Sound alarm") 11     else: 12         print("Sound off") 13     break</pre>	<pre>Shell current temperature: 58 current humidity: 43 % Traceback (most recent call last):   File "&lt;string&gt;", line 9, in &lt;module&gt; NameError: name 'temp_refandhumid' is not defined &gt;  </pre>
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