

## ASSIGNMENT 2

Student Name	<u>Abinaya D S</u>
Student Roll Number	962319106003
Maximum Marks	2 marks

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.

### Python 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:

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&gt;temp_ref and humid&lt;humid_ref: 10         print("Sound Alarm") 11     else: 12         print("Sound off") 13     break</pre>		<pre>current temperature: 62 current humidity: 41 % Sound off &gt;  </pre>