

## ASSIGNMENT 2

<u>Student Name</u>	<u>Siva Athithya V J</u>
<u>Student Roll Number</u>	<u>962319106033</u>
<u>Maximum Marks</u>	<u>2 marks</u>

Build a python code, Assume u get temperature and humidity values 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

```
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
```

```
current temperature: 62
current humidity: 41 %
Sound off
> |
```