

ASSIGNMENT 2

NAME : SRIMATHI P

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  
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
```

Output:

```
Shell  
current temperature: 65  
current humidity: 80 %  
Sound off  
> |
```