

ASSIGNMENT 2

Python Program

Assignment Date	21 September 2022
Student Name	SHIYAM.M
Student Roll Number	812019106031
Maximum Marks	2 Marks

Question-1

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
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:

```
current Temperature: 94
current Humidity: 58 %
Sound Off

Process finished with exit code 0
```