

ASSIGNMENT 2

DATE	10/10/2022
TEAM ID	PNT2022TMID43222
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MAXIMUM MARKS	2 MARKS

OBJECTIVE:

Build a python code. Assume u get temperature and humidity values 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=36

    humid_ref=34

    if temp>temp_ref and humid<humid_ref:

        print("Sound Alarm")

    else:

        print("Sound off")

    break
```

ASSIGNMENT 2

PROGRAM:

Assignment - 2.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=36
8     humid_ref=34
9     if temp>temp_ref and humid<humid_ref:
10         print("Sound Alarm")
11     else:
12         print("Sound off")
13     break
```

OUTPUT:

Shell ×

```
>>> %Run 'Assignment - 2.py'
current temperature: 11
current humidity: 87 %
Sound off
```