

Assignment 2

Date	22 September 2022
Team ID	PNT2022TMID46387
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Project Name	Personal Assistance for Seniors Who Are Self Reliant
Maximum Marks	2 Marks

Assignment Question: -

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=37

    humid_ref=35

    if temp>temp_ref and humid<humid_ref:

        print("Sound Alarm")

    else:

        print("Sound off")

    break
```

OUTPUT:

Case-1:

When temperature is low - “Alarm sound off”

```
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: 15
Current Humidity: 72 %
Sound off
>
```

Case-2:

When temperature is high - “Alarm sound On ”

```
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: 51
Current Humidity: 17 %
Sound Alarm
> |
```