ASSIGNMENT 2

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PROJECT NAME: PERSONAL ASSISTANCE FOR SENIORS WHO ARE SELF-RELIANT

ASSIGNMENT: 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:

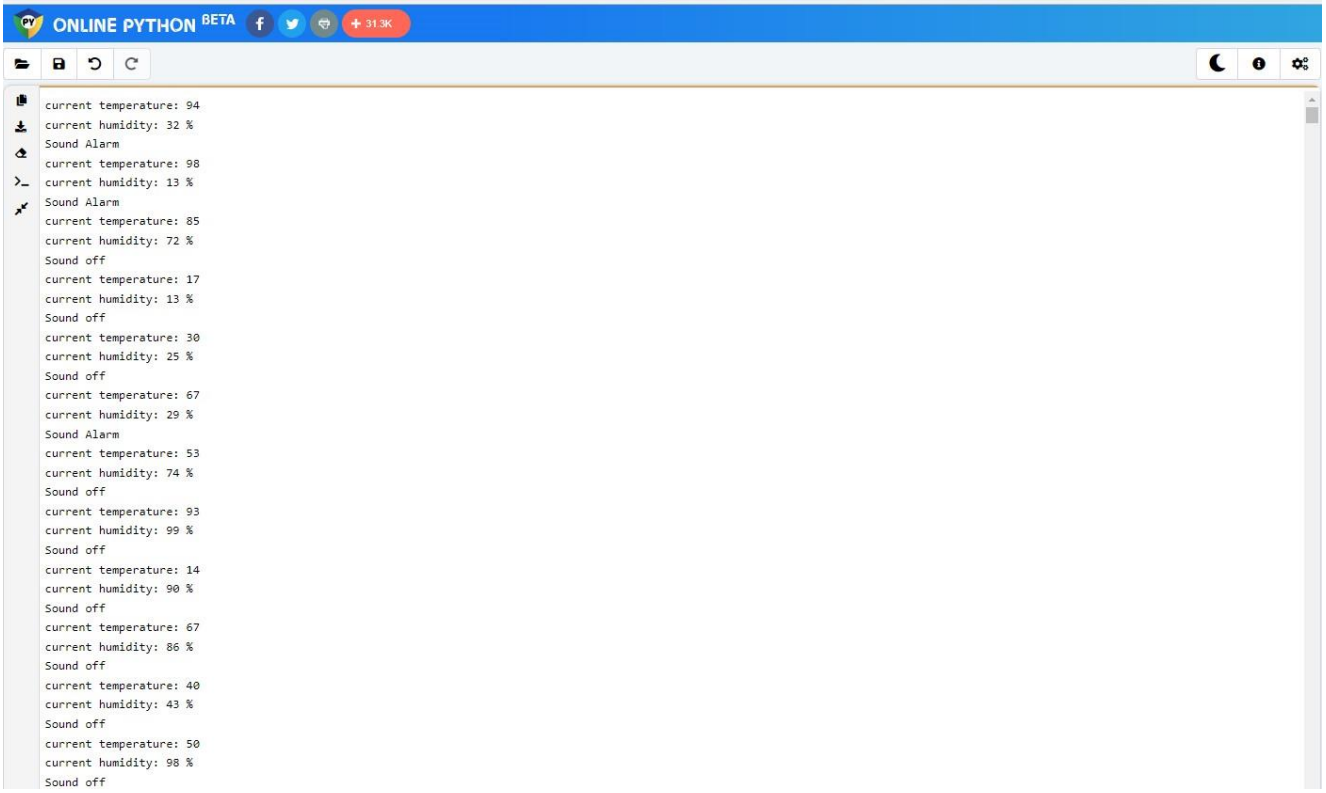
```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid<humid_ref:
        print("Sound Alarm")
    else:
        print("Sound off")
```

PROGRAM:

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
```

OUTPUT :


ONLINE PYTHON BETA
+ 31.3K
current temperature: 94
current humidity: 32 %
Sound Alarm
current temperature: 98
current humidity: 13 %
Sound Alarm
current temperature: 85
current humidity: 72 %
Sound off
current temperature: 17
current humidity: 13 %
Sound off
current temperature: 30
current humidity: 25 %
Sound off
current temperature: 67
current humidity: 29 %
Sound Alarm
current temperature: 53
current humidity: 74 %
Sound off
current temperature: 93
current humidity: 99 %
Sound off
current temperature: 14
current humidity: 90 %
Sound off
current temperature: 67
current humidity: 86 %
Sound off
current temperature: 40
current humidity: 43 %
Sound off
current temperature: 50
current humidity: 98 %
Sound off