

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

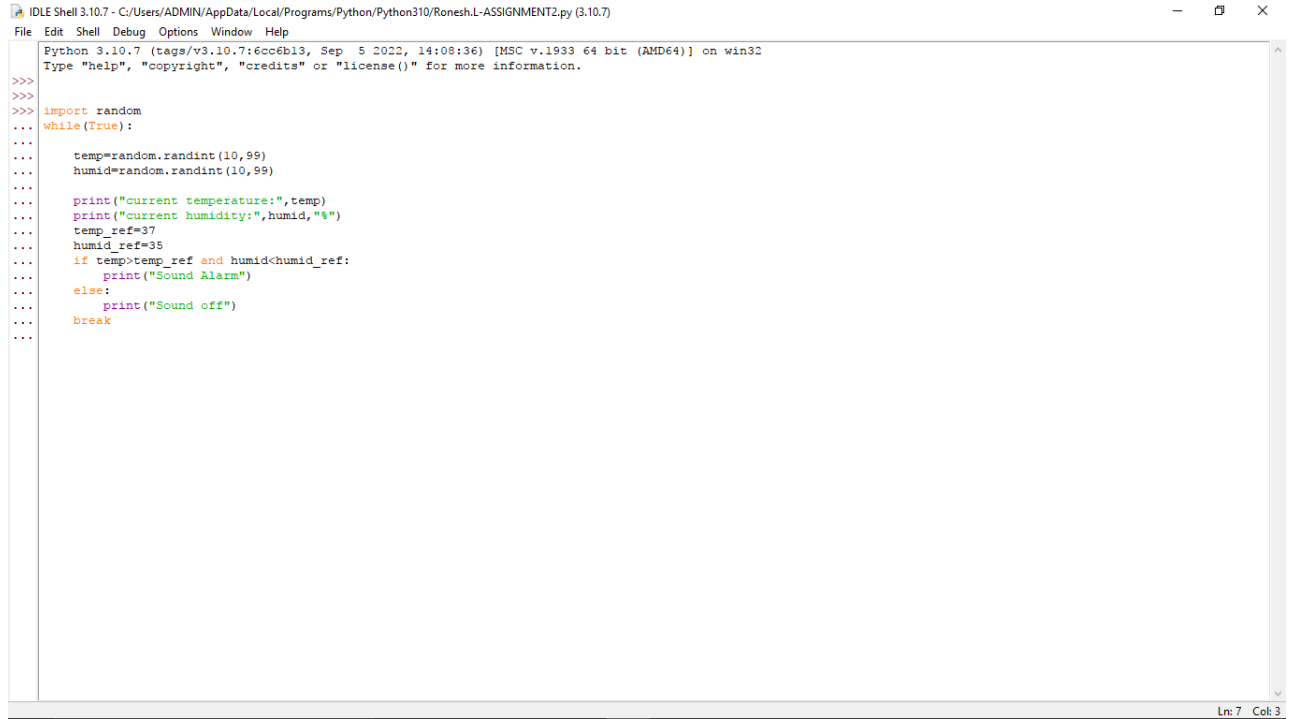
CODE:

```
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")
    break
```

PROGRAMME:

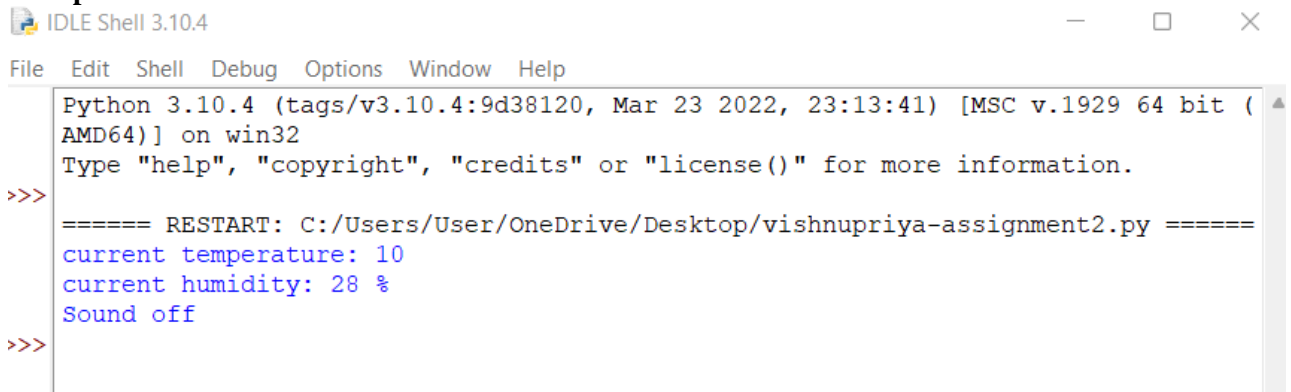


```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
>>> 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
>>>
```

Ln: 7 Col: 3

Output :



```
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>>
>>> ===== RESTART: C:/Users/User/OneDrive/Desktop/vishnupriya-assignment2.py =====
>>> current temperature: 10
>>> current humidity: 28 %
>>> Sound off
>>>
```

Ln: 7 Col: 3