

```
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

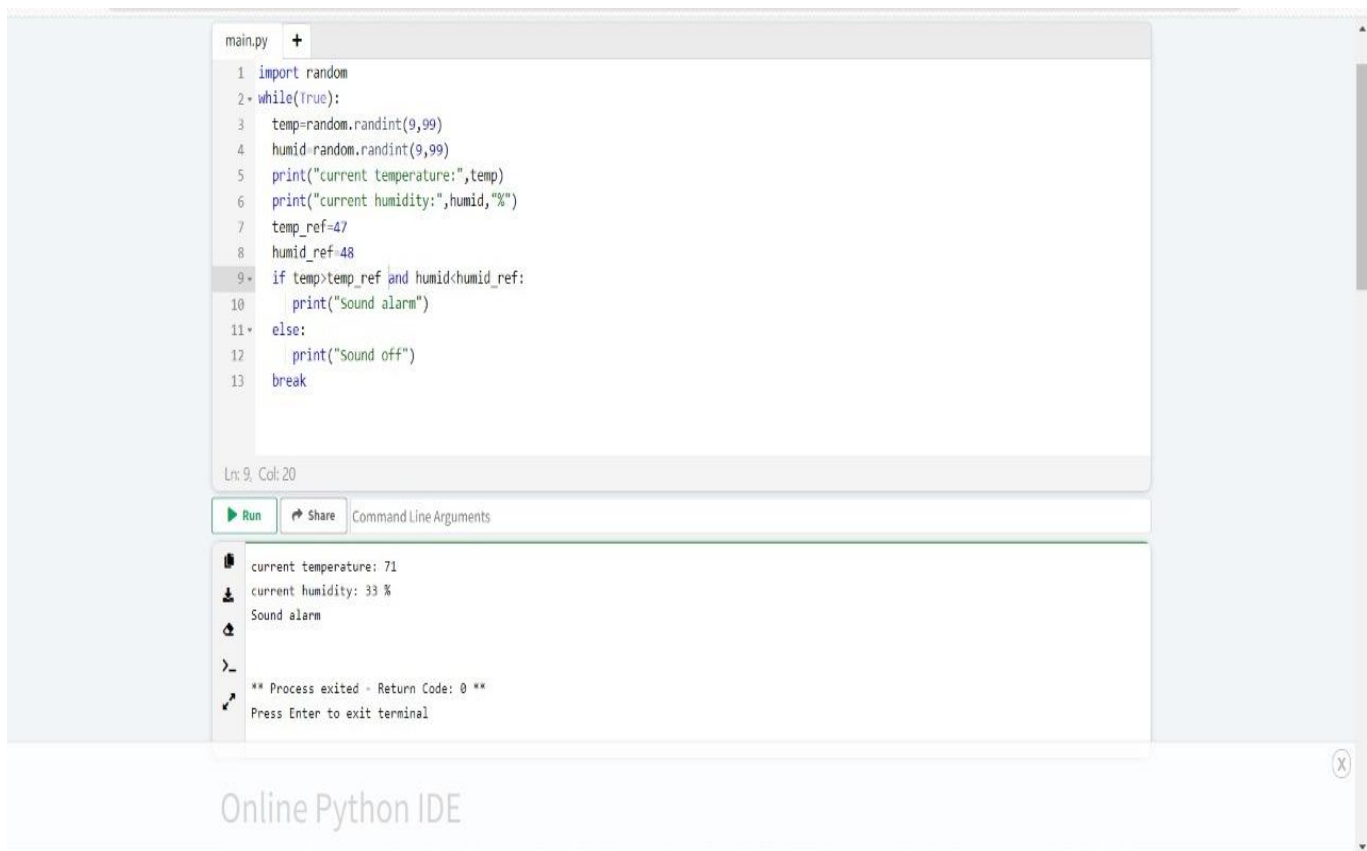
    if temp>temp_ref and humid<humid_ref:

        print("Sound alarm")

    else:

        print("Sound off")

    Break
```



The screenshot displays an online Python IDE interface. At the top, a tab labeled 'main.py' contains a Python script. The script imports the 'random' module and enters a 'while(True):' loop. Inside the loop, it generates random temperature and humidity values using 'random.randint(9,99)'. It then prints these values. Reference values 'temp_ref=47' and 'humid_ref=48' are set. An 'if' statement checks if the current temperature is greater than the reference and humidity is less than the reference. If true, it prints 'Sound alarm'; otherwise, it prints 'Sound off'. The loop ends with a 'break' statement. Below the code editor, a 'Run' button is visible. The output terminal shows the execution results: 'current temperature: 71', 'current humidity: 33 %', and 'Sound alarm'. It also indicates that the process exited with a return code of 0.

```
main.py +
1 import random
2 while(True):
3     temp=random.randint(9,99)
4     humid=random.randint(9,99)
5     print("current temperature:",temp)
6     print("current humidity:",humid,"%")
7     temp_ref=47
8     humid_ref=48
9     if temp>temp_ref and humid<humid_ref:
10         print("Sound alarm")
11     else:
12         print("Sound off")
13     break

Ln: 9, Col: 20

Run Share Command Line Arguments

current temperature: 71
current humidity: 33 %
Sound alarm

** Process exited - Return Code: 0 **
Press Enter to exit terminal

Online Python IDE
```