

PYTHON CODE – TEMPERATURE AND HUMIDITY VALUES:

```
import random

while(True):

    temp_ran =random.randint(10,99)

    humid_ran =random.randint(10,99)

    print("current temperature:",temp)

    print("current humidity:",humid,"%")

    temp_ref=60

    humid_ref=30

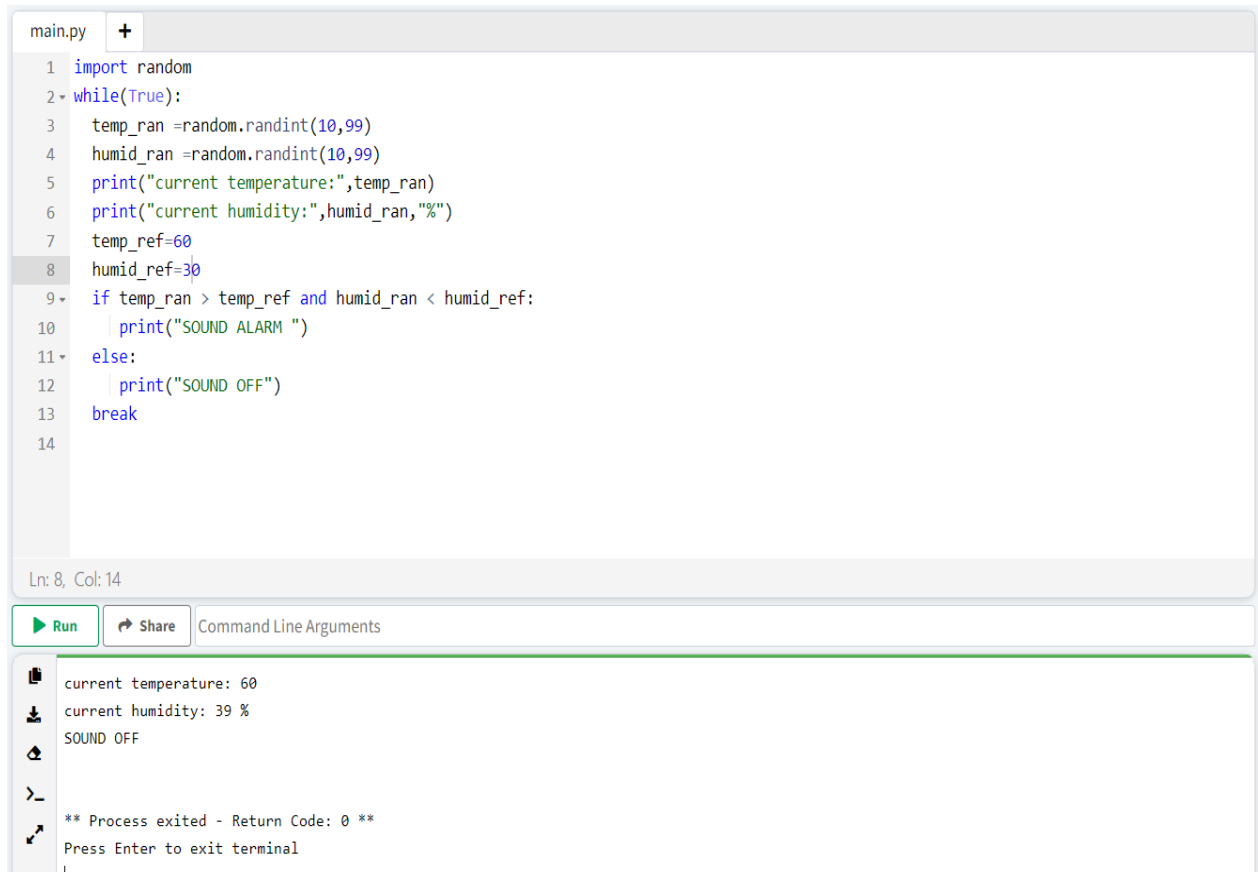
    if temp_ran > temp_ref and humid_ran < humid_ref:

        print("SOUND ALARM ")

    else:

        print("SOUND OFF")

    break
```



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     temp_ran =random.randint(10,99)
4     humid_ran =random.randint(10,99)
5     print("current temperature:",temp_ran)
6     print("current humidity:",humid_ran,"%")
7     temp_ref=60
8     humid_ref=30
9     if temp_ran > temp_ref and humid_ran < humid_ref:
10         print("SOUND ALARM ")
11     else:
12         print("SOUND OFF")
13     break
14
```

The IDE shows the cursor at line 8, column 14. Below the code editor, there are buttons for 'Run', 'Share', and 'Command Line Arguments'. The output of the program is displayed in a terminal window:

```
current temperature: 60
current humidity: 39 %
SOUND OFF

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