

PROGRAM

```
import random

while(True):

    temp=random.randint(13,89)

    humid=random.randint(15,78)

    print("current temperature:",temp)

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

    temp_ref=37

    humid_ref=35

    if temp>temp_ref and humid<humid_ref:

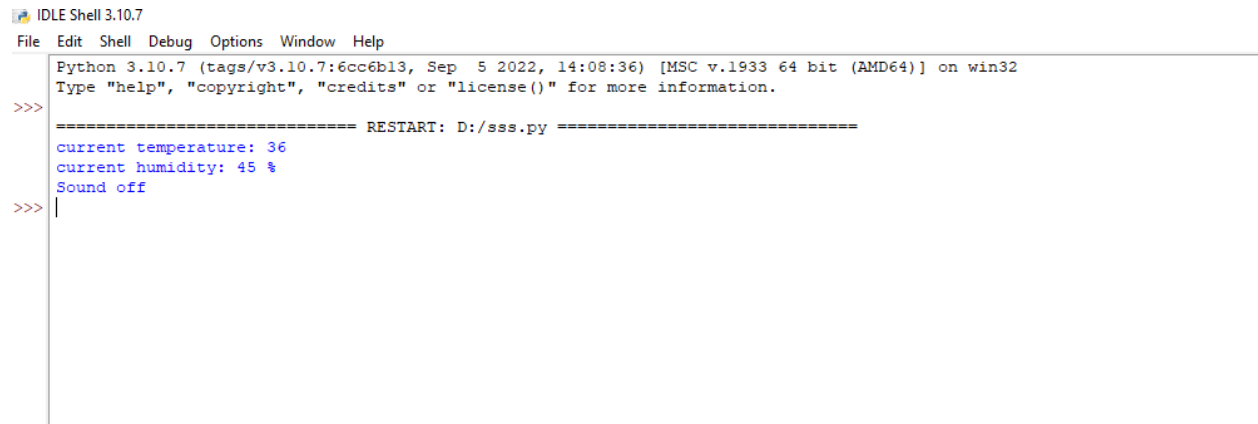
        print("Sound alarm")

    else:

        print("Sound off")

    break
```

OUTPUT



The screenshot shows the IDLE Shell 3.10.7 interface. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The status bar at the bottom indicates Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32. The main text area displays the output of the program, which includes a restart message and the current temperature and humidity values.

```
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.
>>>
===== RESTART: D:/sss.py =====
current temperature: 36
current humidity: 45 %
Sound off
>>> |
```