

PROGRAM

```
import random

while(True):

    temp=random.randint(14,38)

    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:

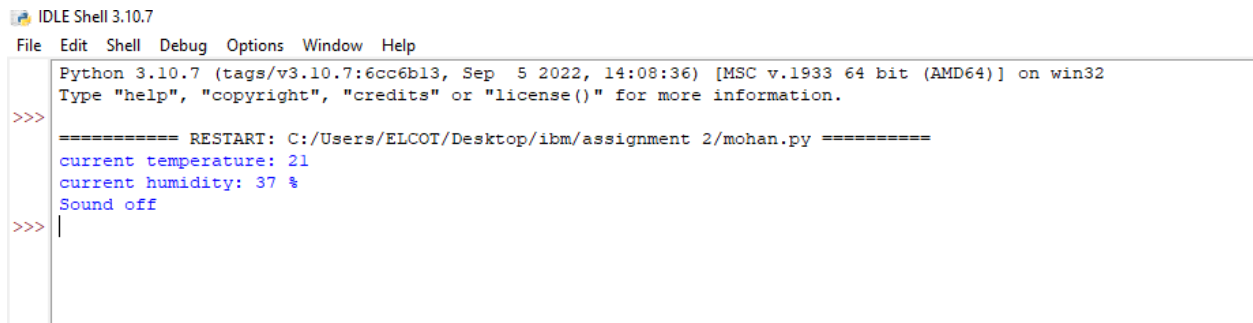
        print("Sound alarm")

    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 shell window displays the following text:

```
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: C:/Users/ELCOT/Desktop/ibm/assignment 2/mohan.py =====
current temperature: 21
current humidity: 37 %
Sound off
>>> |
```