

# PROGRAM

```
import random

while(True):

    temp=random.randint(11,68)

    humid=random.randint(13,98)

    print("current temperature:",temp)

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

    temp_ref=37

    humid_ref=35

    if temp>temp_ref and humid<humid_ref:

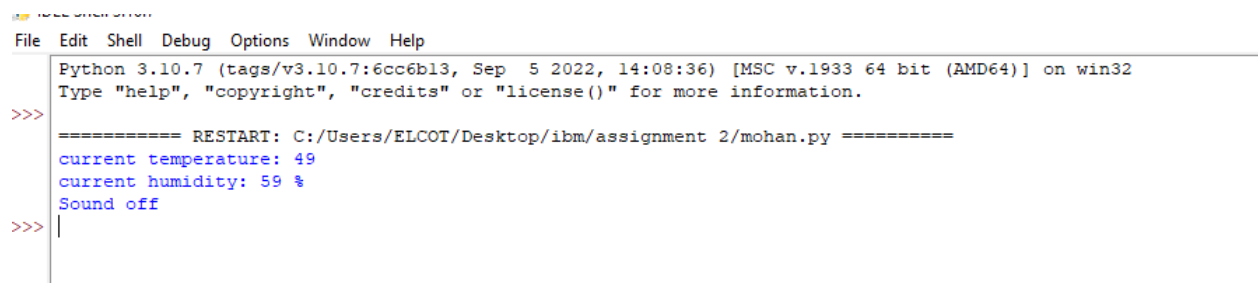
        print("Sound alarm")

    else:

        print("Sound off")

    break
```

# OUTPUT

A screenshot of a Python IDE window titled "Python 3.10.7". The window has a menu bar with "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The main text area shows the Python interpreter's output. It starts with the standard Python 3.10.7 startup message. Then, after a restart, it displays the output of the program: "current temperature: 49", "current humidity: 59 %", and "Sound off". The prompt ">>>" is visible on the left side of the text area.

```
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: 49
>>> current humidity: 59 %
>>> Sound off
>>> |
```