

PROGRAM

```
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:

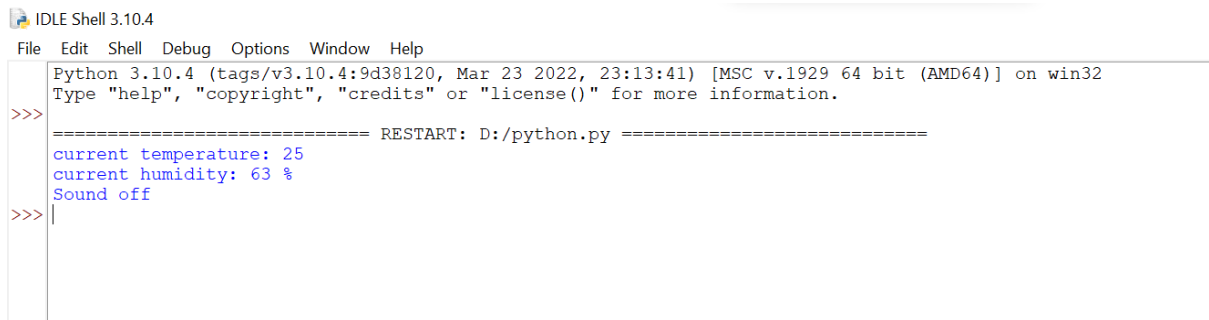
        print("Sound alarm")

    else:

        print("Sound off")

    break
```

OUTPUT

A screenshot of the IDLE Shell 3.10.4 window. The title bar reads "IDLE Shell 3.10.4". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The shell area shows the Python 3.10.4 version information and a restart message. The output of the program is displayed in blue text: "current temperature: 25", "current humidity: 63 %", and "Sound off". The prompt ">>>" is visible at the start of the output lines.

```
IDLE Shell 3.10.4
File Edit Shell Debug Options Window Help
Python 3.10.4 (tags/v3.10.4:9d38120, Mar 23 2022, 23:13:41) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/python.py =====
current temperature: 25
current humidity: 63 %
Sound off
>>>
```