

## **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:**



The screenshot shows the IDLE Shell interface with the title bar "IDLE Shell 3.10.7". The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The shell window displays the following output:

```
File Edit Shell Debug Options Window Help
Python 3.10.7 (tags/v3.10.7:f6ccb13, 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/user/AppData/Local/Programs/Python/Python310/Ibm assignment.py
current temperature: 54
current humidity: 99 %
Sound off
```