

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:

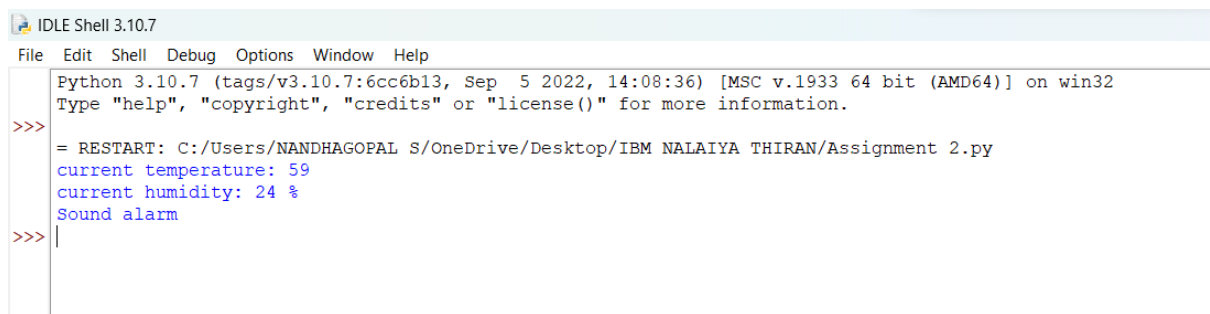
        print("Sound alarm")

    else:

        print("Sound off")

    break
```

OUTPUT



```
IDLE Shell 3.10.7
File Edit Shell Debug Options Window Help
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/NANDHAGOPAL S/OneDrive/Desktop/IBM NALAIYA THIRAN/Assignment 2.py
current temperature: 59
current humidity: 24 %
Sound alarm
>>> |
```