


CODE :

#Nalaiyathiran Assignment 2 :

```
import random
while(True):
    temp=random.randint(10,120)
    humid=random.randint(10,100)
    print("Current temperature Value:",temp)
    print("Current humidity Value:",humid,"%")
    print("Enter the Temperature Value: ")
    temp_ref= int(input())
    print("Enter the Humidity Value: ")
    humid_ref= int(input())
    if temp>temp_ref and humid<humid_ref:
        print("Alarm Sound ON")
    else:
        print("Alarm 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/ELCOT/Desktop/palaniyappan/assignment 2.py =====
Current temperature Value: 45
Current humidity Value: 33 %
Enter the Temperature Value:
40
Enter the Humidity Value:
50
Alarm Sound ON
>>>
>>>
===== RESTART: C:/Users/ELCOT/Desktop/palaniyappan/assignment 2.py =====
Current temperature Value: 67
Current humidity Value: 32 %
Enter the Temperature Value:
60
Enter the Humidity Value:
20
Alarm Sound OFF
>>>
>>> |
```