

CODE :

#Nalaiyathiran :

```
import random

while(True):

    temp=random.randint(10,120)

    humid=random.randint(10,100)

    print("Current temperature :",temp)

    print("Current humidity :",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/marin/OneDrive/Desktop/IBM Python coding/ASSIGNMENT 2/SANJITHA.py
Current temperature : 110
Current humidity : 72 %
Enter the Temperature Value:
120
Enter the Humidity Value:
40
Alarm Sound OFF
>>>
= RESTART: C:/Users/marin/OneDrive/Desktop/IBM Python coding/ASSIGNMENT 2/SANJITHA.py
Current temperature : 87
Current humidity : 45 %
Enter the Temperature Value:
80
Enter the Humidity Value:
50
Alarm Sound ON
>>>
```