

# **Personal Assistance for Seniors Who Are Self-Reliant**

## **Assignment – II**

**Topic :**PYTHON CODE TO GET TEMPERATURE AND HUMIDITY  
VALUE

**Name:** NIRANJANA DEVI.V

**RegisterNumber:** 921019104033

**E-Mail Id :**[ponvijay1971@gmail.com](mailto:ponvijay1971@gmail.com)

### **Code:**

```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)

    print("current temperature: ",temp)
    print("current humidity:",humid,"%")
```

temp\_ref=35

humid\_ref=50

if temp > temp\_ref and humid < humid\_ref:

print("Alarm On")

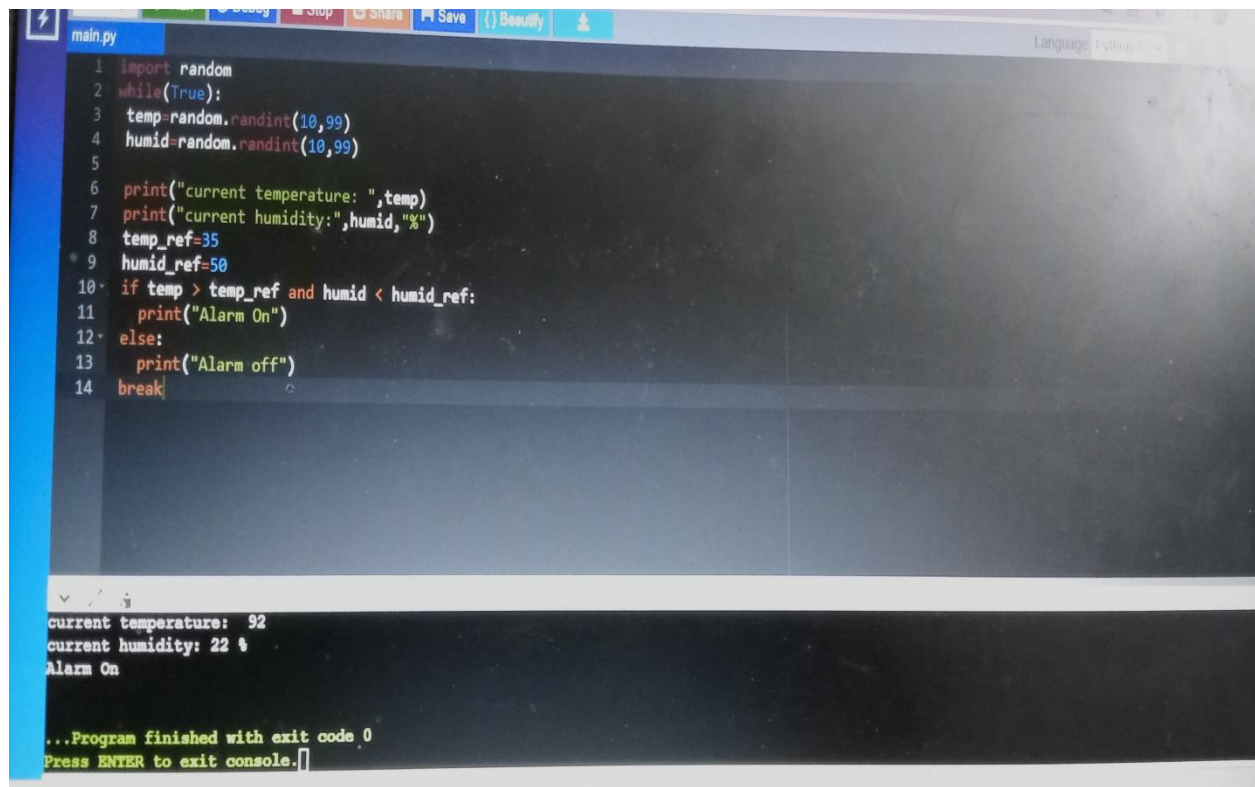
else:

print("Alarm off")

break

## OUTPUT

**ALARM OFF**

A screenshot of a Python IDE window titled 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5
6     print("current temperature: ",temp)
7     print("current humidity:",humid,"%")
8     temp_ref=35
9     humid_ref=50
10    if temp > temp_ref and humid < humid_ref:
11        print("Alarm On")
12    else:
13        print("Alarm off")
14    break
```

The output console at the bottom shows:

```
current temperature: 92
current humidity: 22 %
Alarm On
...Program finished with exit code 0
Press ENTER to exit console.
```

## ALARM ON

```
main.py
1 import random
2 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5
6     print("current temperature: ",temp)
7     print("current humidity:",humid,"%")
8     temp_ref=35
9     humid_ref=50
10    if temp > temp_ref and humid < humid_ref:
11        print("Alarm On")
12    else:
13        print("Alarm off")
14    break
```

current temperature: 92  
current humidity: 22 %  
Alarm On

...Program finished with exit code 0