

## **IBM-Nalaiya Thiran Project**

### **Assignment 2**

**TOPIC:** Assignment on temperature and humidity  
sensing and alarm automation using python

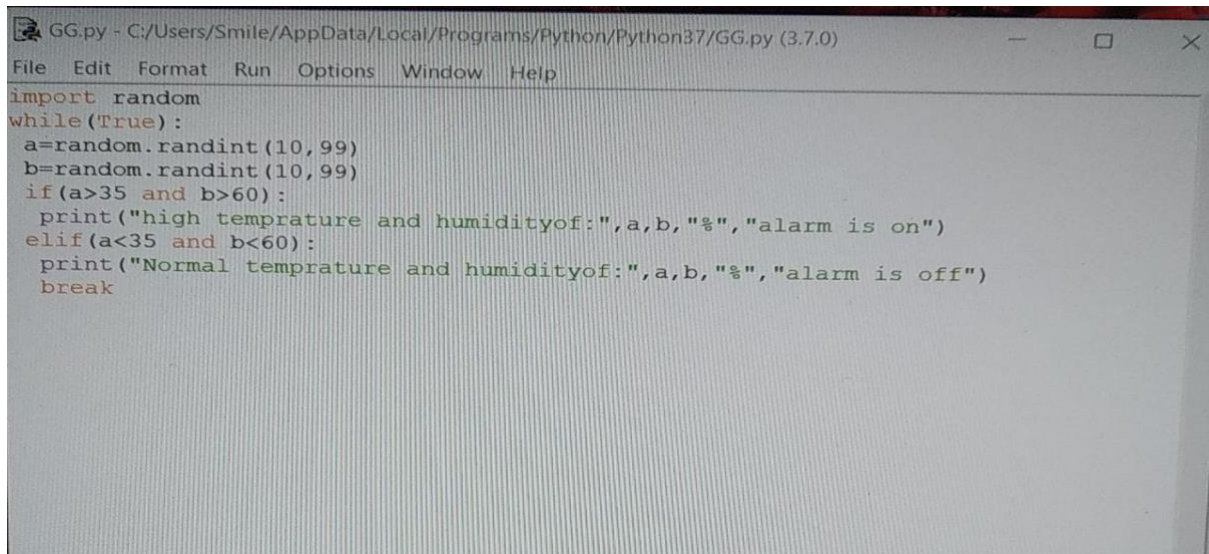
-R.Praveena

-960219106101

#### **Code:-**

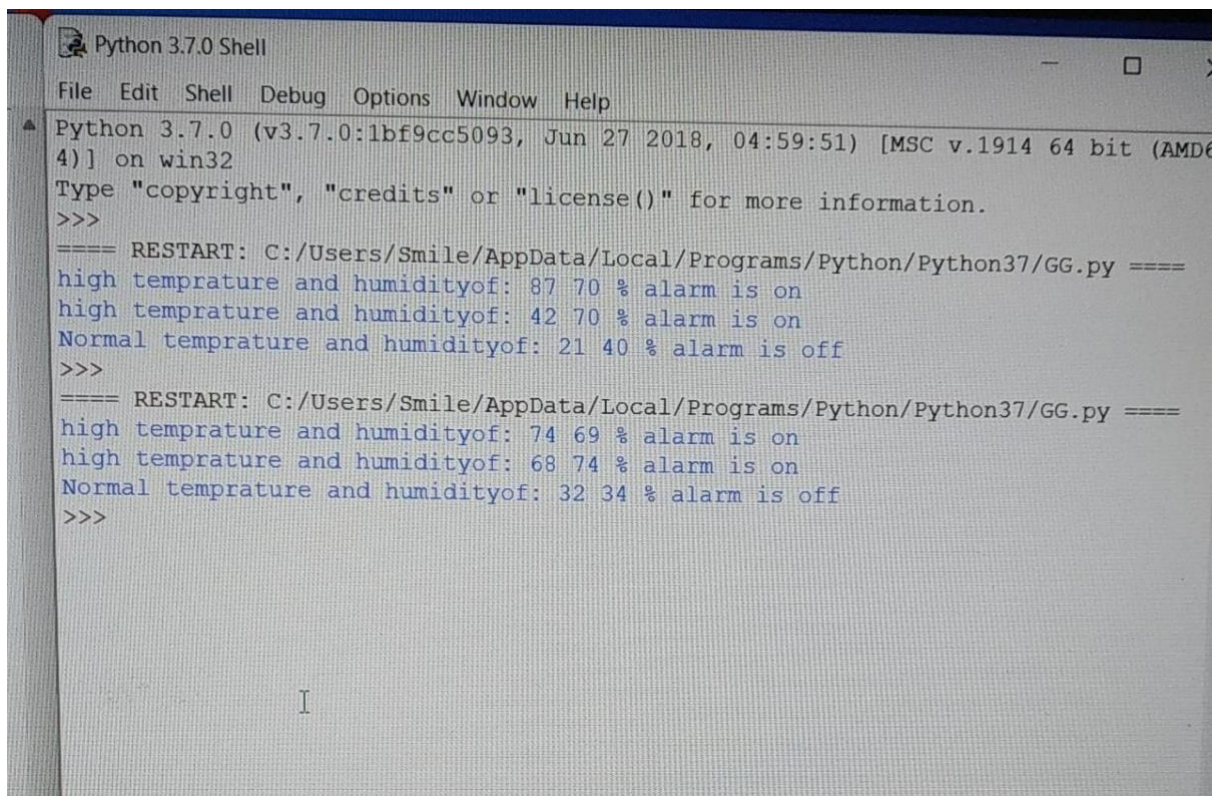
```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidity of:",a,b,"%","alarm is off")
    break
```

INPUT:



```
GG.py - C:/Users/Smile/AppData/Local/Programs/Python/Python37/GG.py (3.7.0)
File Edit Format Run Options Window Help
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidityof:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("Normal temprature and humidityof:",a,b,"%","alarm is off")
        break
```

OUTPUT:



```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:/Users/Smile/AppData/Local/Programs/Python/Python37/GG.py ====
high temprature and humidityof: 87 70 % alarm is on
high temprature and humidityof: 42 70 % alarm is on
Normal temprature and humidityof: 21 40 % alarm is off
>>>
==== RESTART: C:/Users/Smile/AppData/Local/Programs/Python/Python37/GG.py ====
high temprature and humidityof: 74 69 % alarm is on
high temprature and humidityof: 68 74 % alarm is on
Normal temprature and humidityof: 32 34 % alarm is off
>>>
```