

IBM – NALLAIYA THIRAN PROJECT

ASSIGNMENT 2

Topic : Build a python code , Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Name: A.Sreeja

960219106130

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
```

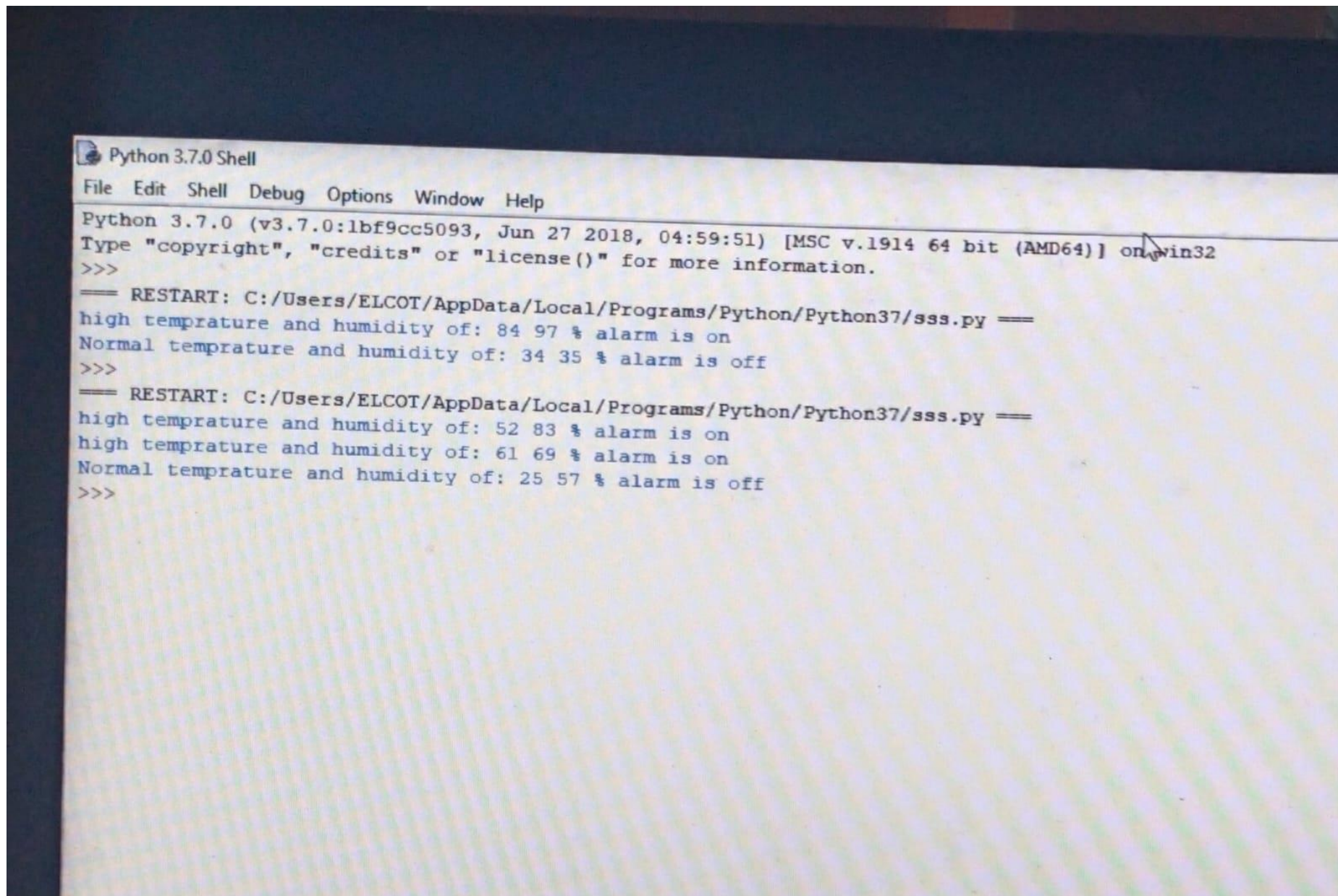
input :

sss.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/sss.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 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
```

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/ELCOT/AppData/Local/Programs/Python/Python37/sss.py ==
high temprature and humidity of: 84 97 % alarm is on
Normal temprature and humidity of: 34 35 % alarm is off
>>>
== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python37/sss.py ==
high temprature and humidity of: 52 83 % alarm is on
high temprature and humidity of: 61 69 % alarm is on
Normal temprature and humidity of: 25 57 % alarm is off
>>>
```