

## ASSIGNMENT 2:

Q. 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.

### CODE:

```
import random

while(True):

    temp=random.randint(15,69)

    humid=random.randint(15,69)

    print("current temperature:", temp)

    print("current humidity: ", humid, "%")

    temp_ref=99

    humid_ref=27

    if temp>temp_ref and humid<humid_ref:

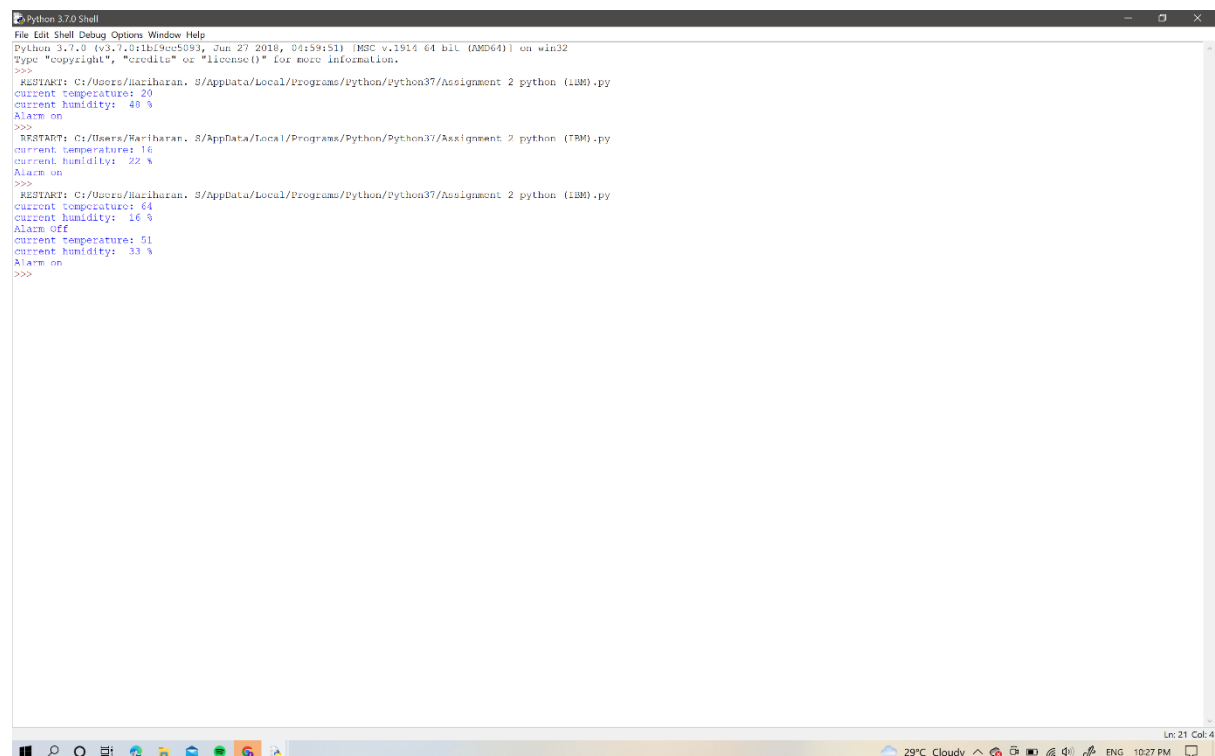
        print("Alarm Off")

    else:

        print("Alarm on")

        break
```

### OUTPUT:



```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (tags/v3.7.0:01b190c5093, 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/Hariharan. S/AppData/Local/Programs/Python/Python37/Assignment 2 python (18M).py
current temperature: 20
current humidity: 40 %
Alarm on
>>>
RESTART: C:/Users/Hariharan. S/AppData/Local/Programs/Python/Python37/Assignment 2 python (18M).py
current temperature: 16
current humidity: 22 %
Alarm on
>>>
RESTART: C:/Users/Hariharan. S/AppData/Local/Programs/Python/Python37/Assignment 2 python (18M).py
current temperature: 64
current humidity: 16 %
Alarm Off
current temperature: 51
current humidity: 33 %
Alarm on
>>>
```