

## ASSIGNMENT 2

**PROBLEM:** 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):

    a=random.randint(10,100)

    b=random.randint(10,100)

    if(a>50 and b>100):

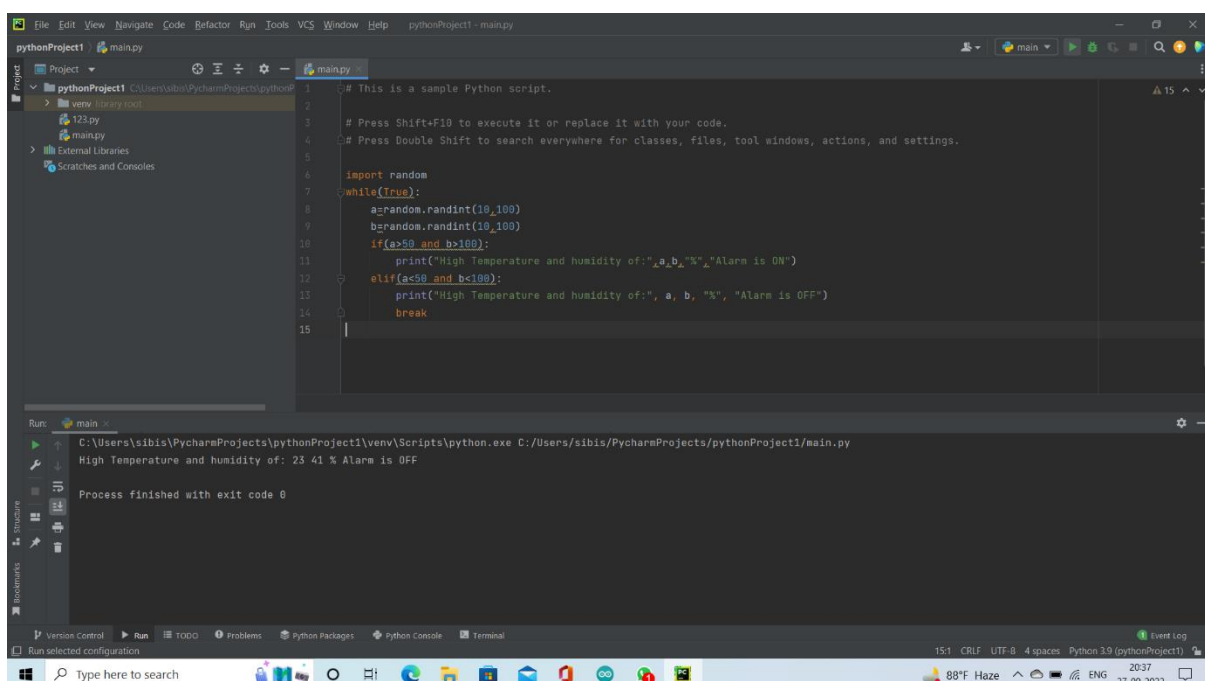
        print("High Temperature and Humidity :",a,b,"%","Alarm - ON")

    elif(a<50 and b<100):

        print("High Temperature and Humidity :",a,b,"%","Alarm - OFF")

    break
```

### EXECUTION:



```
pythonProject1 C:\Users\sibis\PycharmProjects\pythonProject1\main.py
1 # This is a sample Python script.
2
3 # Press Shift+F10 to execute it or replace it with your code.
4 # Press Double Shift to search everywhere for classes, files, tool windows, actions, and settings.
5
6 import random
7 while(True):
8     a=random.randint(10,100)
9     b=random.randint(10,100)
10    if(a>50 and b>100):
11        print("High Temperature and humidity of:",a,b,"%","Alarm is ON")
12    elif(a<50 and b<100):
13        print("High Temperature and humidity of:", a, b, "%", "Alarm is OFF")
14    break
15
```

Run: main

C:\Users\sibis\PycharmProjects\pythonProject1\venv\Scripts\python.exe C:\Users\sibis\PycharmProjects\pythonProject1\main.py

High Temperature and humidity of: 23 41 % Alarm is OFF

Process finished with exit code 0

151 CRLF UTF-8 4 spaces Python 3.9 (pythonProject1)

88°F Haze 20:37 27-09-2022