

Assignment-2

PROGRAM: import

random

while(True):

a=random.randint(5,200)

b=random.randint(5,200) if(a>38

and b>75):

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

elif(a<38 and b<75):

print("Nomal Temperature and Humidity of:",a,b,"%","Alarm is OFF")

break

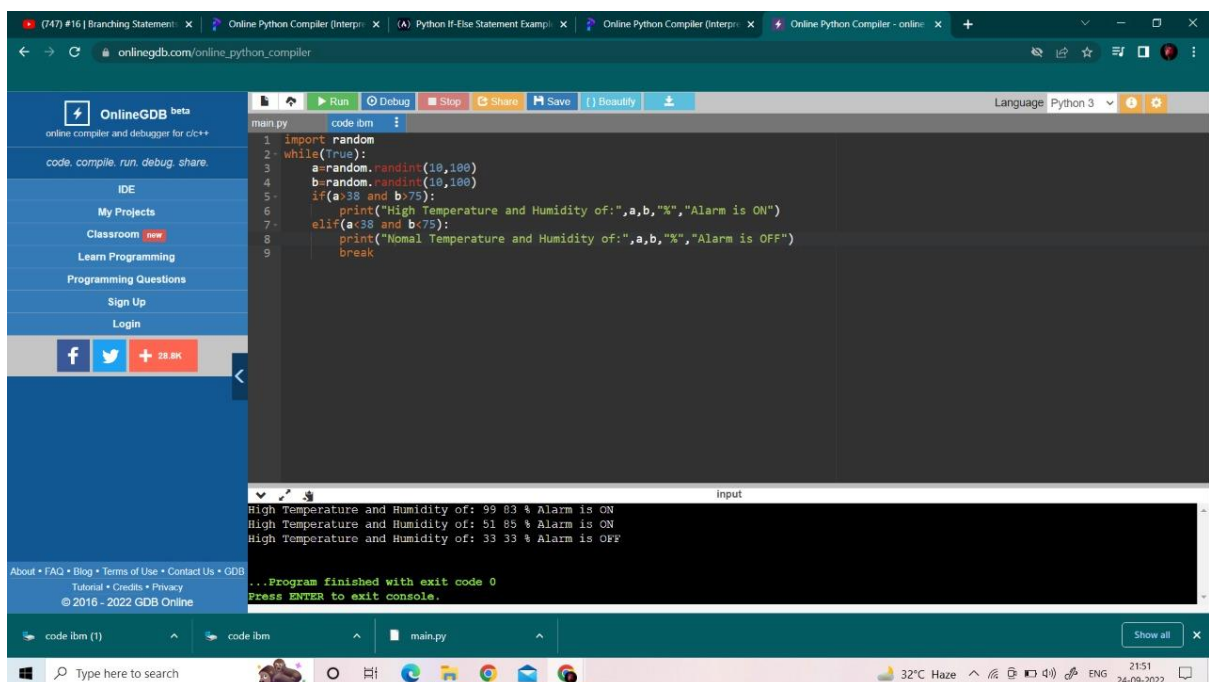
OUTPUT:

High Temperature and Humidity of: 69 167 % Alarm is ON

High Temperature and Humidity of: 180 146 % Alarm is ON

High Temperature and Humidity of: 78 93% Alarm is ON

Nomal Temperature and Humidity of: 30 39% Alarm is OFF



The screenshot shows a web browser window with the URL `onlinegdb.com/online_python_compiler`. The page features a sidebar on the left with navigation links like 'My Projects', 'Classroom', and 'Sign Up'. The main area displays a Python script in a code editor. The script imports the `random` module and enters a `while(True):` loop. Inside the loop, it generates two random integers, `a` and `b`, both between 5 and 200. It then checks if `a > 38` and `b > 75`. If true, it prints 'High Temperature and Humidity of: ', followed by `a`, `b`, and a percentage sign, and 'Alarm is ON'. If false, it prints 'Nomal Temperature and Humidity of: ', followed by `a`, `b`, and a percentage sign, and 'Alarm is OFF'. The loop is broken after each iteration. The output console at the bottom shows three iterations of the program, all resulting in 'High Temperature and Humidity of: ' followed by two numbers and a percentage sign, and 'Alarm is ON'. The first two iterations show values like 99 83 % and 51 85 %, while the third iteration shows 33 33 %.

```
1 import random
2 while(True):
3     a=random.randint(5,200)
4     b=random.randint(5,200)
5     if(a>38 and b>75):
6         print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")
7     elif(a<38 and b<75):
8         print("Nomal Temperature and Humidity of:",a,b,"%","Alarm is OFF")
9     break
```

High Temperature and Humidity of: 99 83 % Alarm is ON
High Temperature and Humidity of: 51 85 % Alarm is ON
High Temperature and Humidity of: 33 33 % Alarm is OFF

...Program finished with exit code 0
Press ENTER to exit console.

