

ASSIGNMENT 2

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Project Name	SmartFarmer – IoT Enabled Smart Farming Application
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QUESTION

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>38 and b>75):

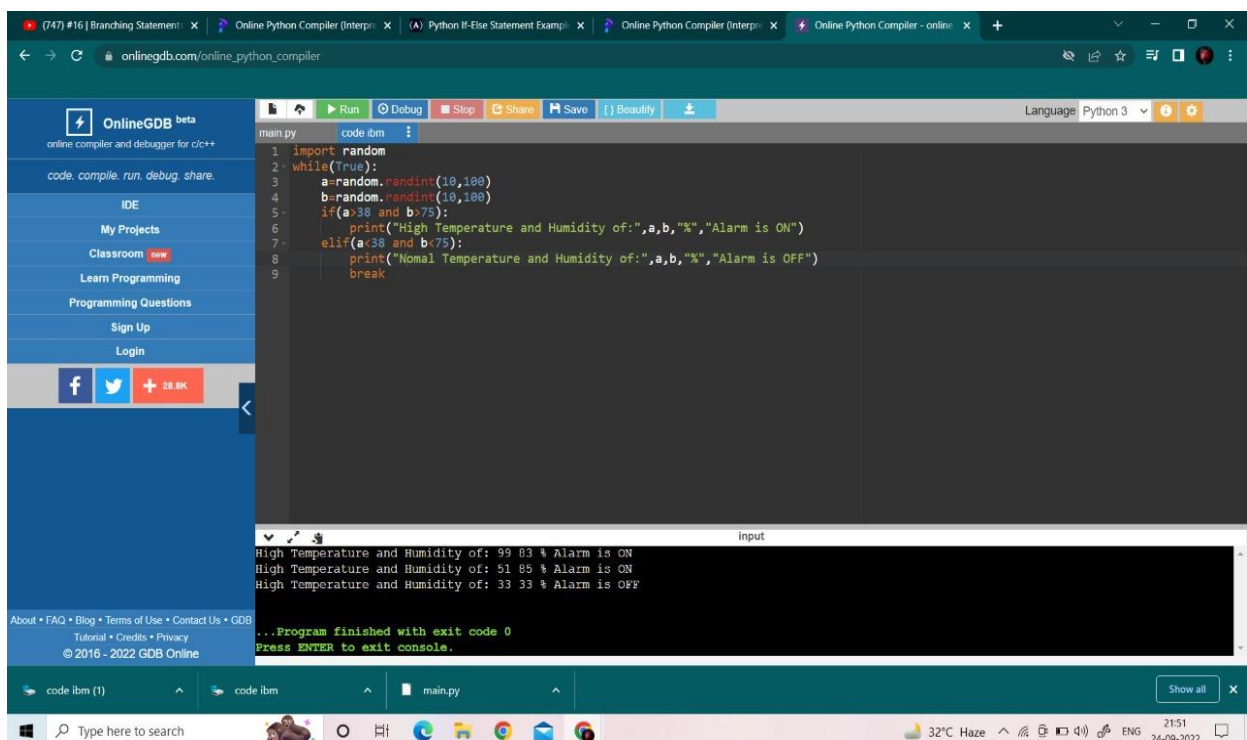
        print("High Temperature and Humidity of:",a,b,"%","Alarm is ON")

    elif(a<38 and b<75):

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

    break
```

OUTPUT



The screenshot displays the OnlineGDB Python compiler interface. The code editor shows the following Python code:

```
1 import random
2 while(True):
3     a=random.randint(10,100)
4     b=random.randint(10,100)
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("Normal Temperature and Humidity of:",a,b,"%","Alarm is OFF")
9     break
```

The output console shows the following results:

```
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.
```

