

Assignment -2

Assignment Date	27 September 2022
Student Name	Boobalan R
Student Roll Number	611219106008
Maximum Marks	2 Marks

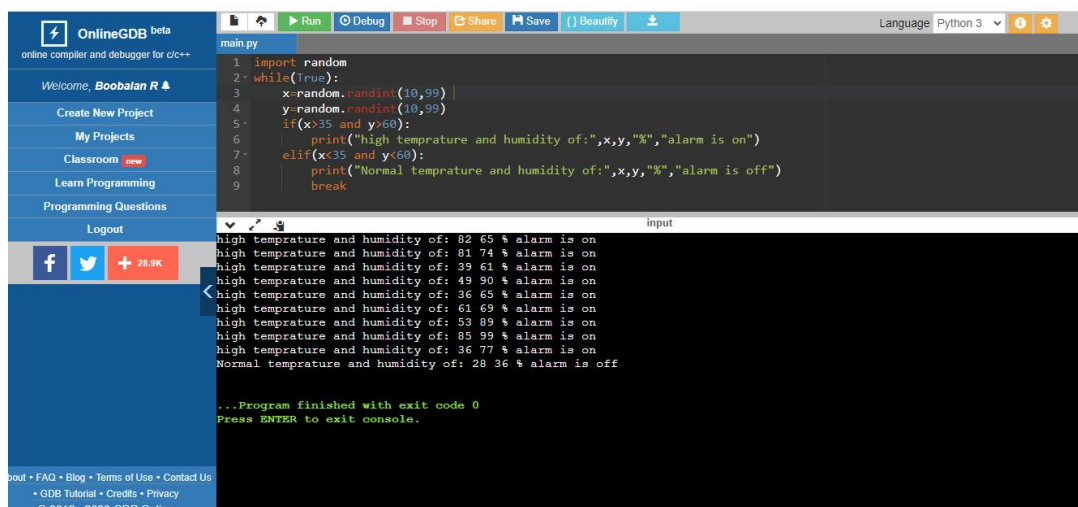
Question:

Build a python code, assume you 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):
    x=random.randint(10,99)
    y=random.randint(10,99)
    if(x>35 and y>60):
        print("high temprature and humidity of:",x,y,"%","alarm is on")
    elif(x<35 and y<60):
        print("Normal temprature and humidity of:",x,y,"%","alarm is off")
    Break
```

Output:



The screenshot shows the OnlineGDB beta interface. The code editor contains the following Python code:

```
1 import random
2 while(True):
3     x=random.randint(10,99)
4     y=random.randint(10,99)
5     if(x>35 and y>60):
6         print("high temprature and humidity of:",x,y,"%","alarm is on")
7     elif(x<35 and y<60):
8         print("Normal temprature and humidity of:",x,y,"%","alarm is off")
9     break
```

The output console shows the following results:

```
high temprature and humidity of: 82 65 % alarm is on
high temprature and humidity of: 81 74 % alarm is on
high temprature and humidity of: 39 61 % alarm is on
high temprature and humidity of: 49 90 % alarm is on
high temprature and humidity of: 36 65 % alarm is on
high temprature and humidity of: 61 69 % alarm is on
high temprature and humidity of: 53 89 % alarm is on
high temprature and humidity of: 85 99 % alarm is on
high temprature and humidity of: 36 77 % alarm is on
Normal temprature and humidity of: 28 36 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```