

### PROBLEM :

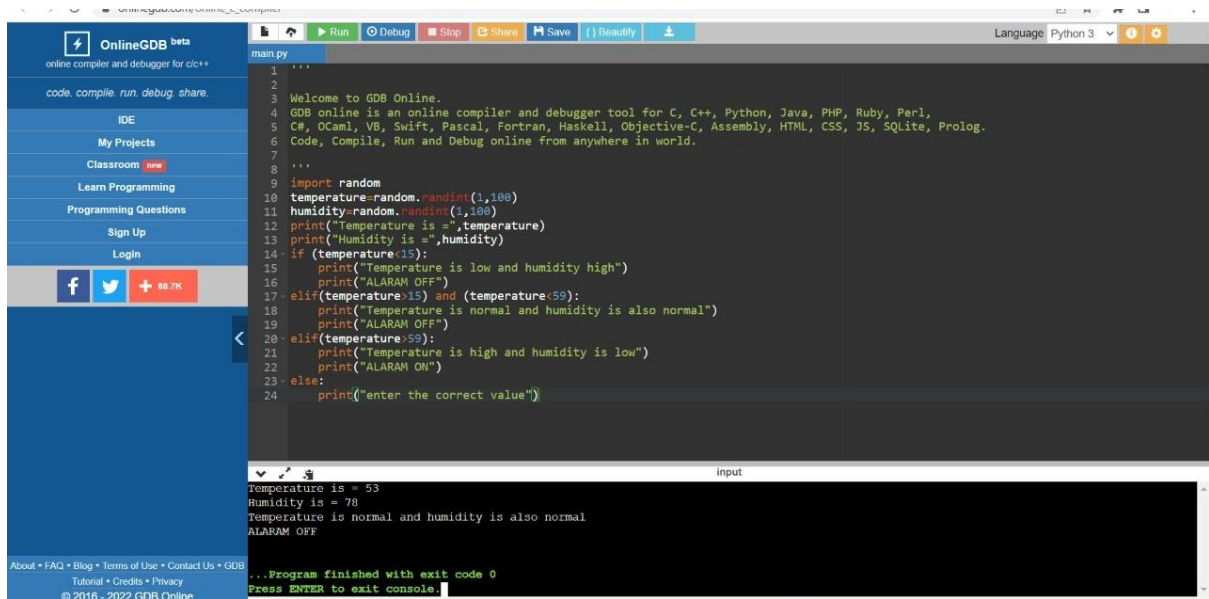
Build a python code, Assume u get temperature and humidity values (Generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

### PROGRAM:

```
import random

temperature=random.randint(1,100)
humidity=random.randint(1,100)
print("Temperature is =",temperature)
print("Humidity is =",humidity)
if (temperature<15):
    print("Temperature is low and humidity high")
    print("ALARAM OFF")
elif(temperature>15) and (temperature<59):
    print("Temperature is normal and humidity is also normal")
    print("ALARAM OFF")
elif(temperature>59):
    print("Temperature is high and humidity is low")
    print("ALARAM ON")
else:
    print("enter the correct value")
```

# OUTPUT



The screenshot displays the OnlineGDB web interface. On the left is a sidebar with navigation links: IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook, Twitter, and a '+88.7K' button. The main area shows a Python script named 'main.py' with the following code:

```
1 ...  
2  
3 Welcome to GDB Online.  
4 GDB online is an online compiler and debugger tool for C, C++, Python, Java, PHP, Ruby, Perl,  
5 C#, OCaml, VB, Swift, Pascal, Fortran, Haskell, Objective-C, Assembly, HTML, CSS, JS, SQLite, Prolog.  
6 Code, Compile, Run and Debug online from anywhere in world.  
7  
8 ...  
9 import random  
10 temperature=random.randint(1,100)  
11 humidity=random.randint(1,100)  
12 print("Temperature is =",temperature)  
13 print("Humidity is =",humidity)  
14 if (temperature<15):  
15     print("Temperature is low and humidity high")  
16     print("ALARAM OFF")  
17 elif(temperature>15) and (temperature<50):  
18     print("Temperature is normal and humidity is also normal")  
19     print("ALARAM OFF")  
20 elif(temperature>50):  
21     print("Temperature is high and humidity is low")  
22     print("ALARAM ON")  
23 else:  
24     print("enter the correct value")
```

Below the code editor is an 'input' field and an output console. The output shows the program's execution results:

```
Temperature is = 53  
Humidity is = 78  
Temperature is normal and humidity is also normal  
ALARAM OFF  
...Program finished with exit code 0  
Press ENTER to exit console.
```