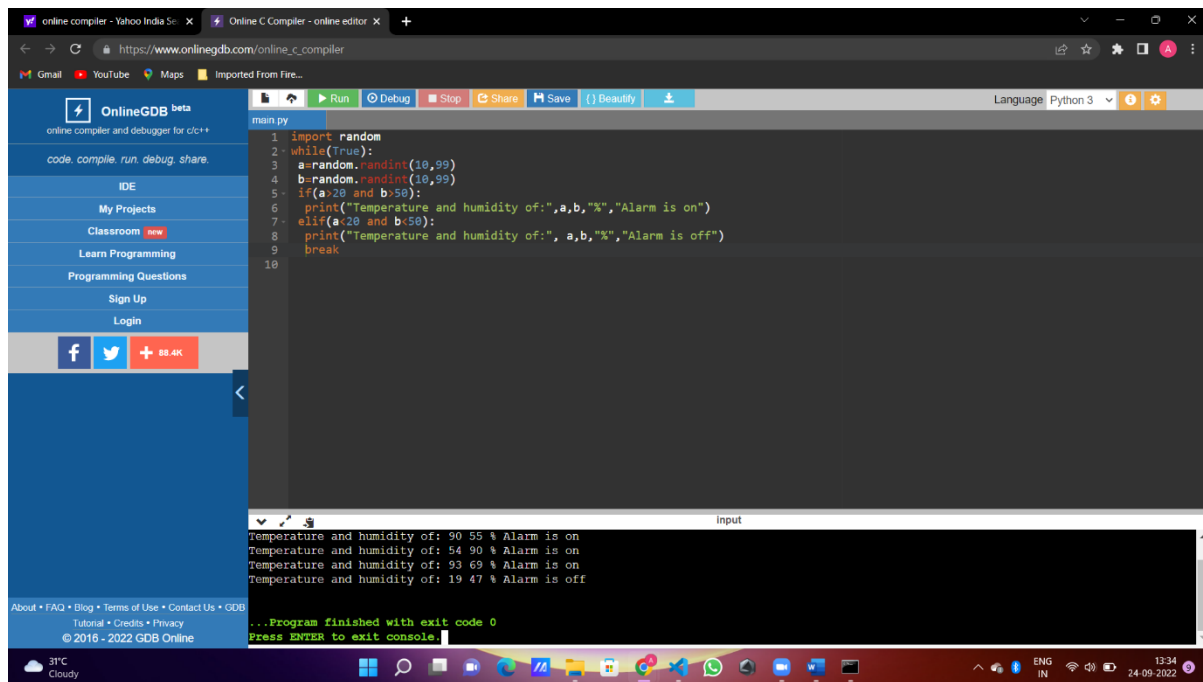


Assignment 2

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

Code:

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>20 and b>50):
        print("Temperature and humidity of:",a,b,"%","Alarm is on")
    elif(a<20 and b<50):
        print("Temperature and humidity of:", a,b,"%","Alarm is off")
    break
```



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

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>20 and b>50):
6         print("Temperature and humidity of:",a,b,"%","Alarm is on")
7     elif(a<20 and b<50):
8         print("Temperature and humidity of:", a,b,"%","Alarm is off")
9     break
10
```

The output console shows the results of the program's execution:

```
Temperature and humidity of: 90 55 % Alarm is on
Temperature and humidity of: 54 90 % Alarm is on
Temperature and humidity of: 93 69 % Alarm is on
Temperature and humidity of: 19 47 % Alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The interface also includes a sidebar with navigation links (My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, Login) and a footer with site information (About, FAQ, Blog, Terms of Use, Contact Us, GDB Online).