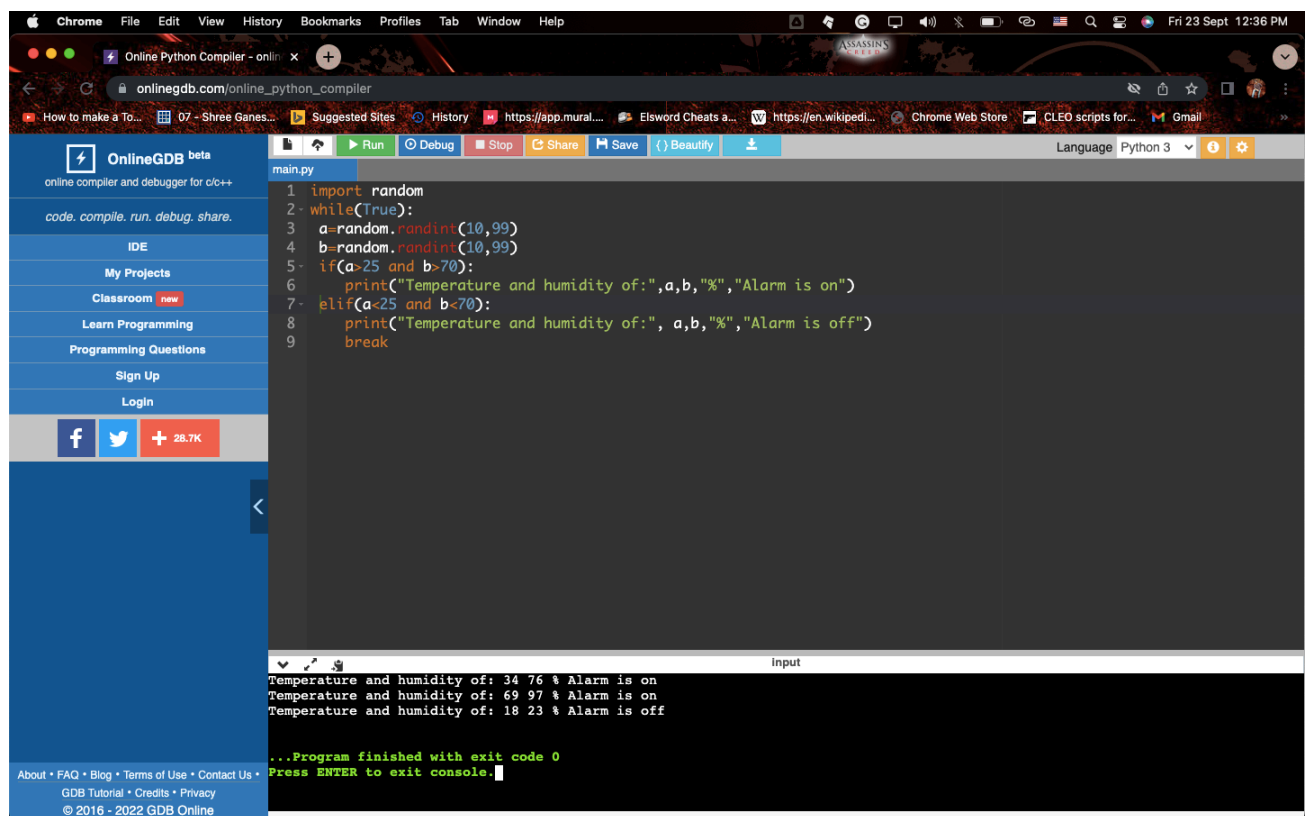


Assignment 2

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>25 and b>70):
        print("Temperature and humidity of:",a,b,"%", "Alarm is on")
    elif(a<25 and b<70):
        print("Temperature and humidity of:", a,b,"%", "Alarm is off")
        break
```



The screenshot shows the OnlineGDB web interface. The code from the previous block is pasted into the editor and has been executed. The output in the console shows three iterations of the while loop, with the alarm status changing based on the random temperature and humidity values.

```
main.py
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>25 and b>70):
6         print("Temperature and humidity of:",a,b,"%", "Alarm is on")
7     elif(a<25 and b<70):
8         print("Temperature and humidity of:", a,b,"%", "Alarm is off")
9         break

Temperature and humidity of: 34 76 % Alarm is on
Temperature and humidity of: 69 97 % Alarm is on
Temperature and humidity of: 18 23 % Alarm is off

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