

IOT ASSIGNMENT 2

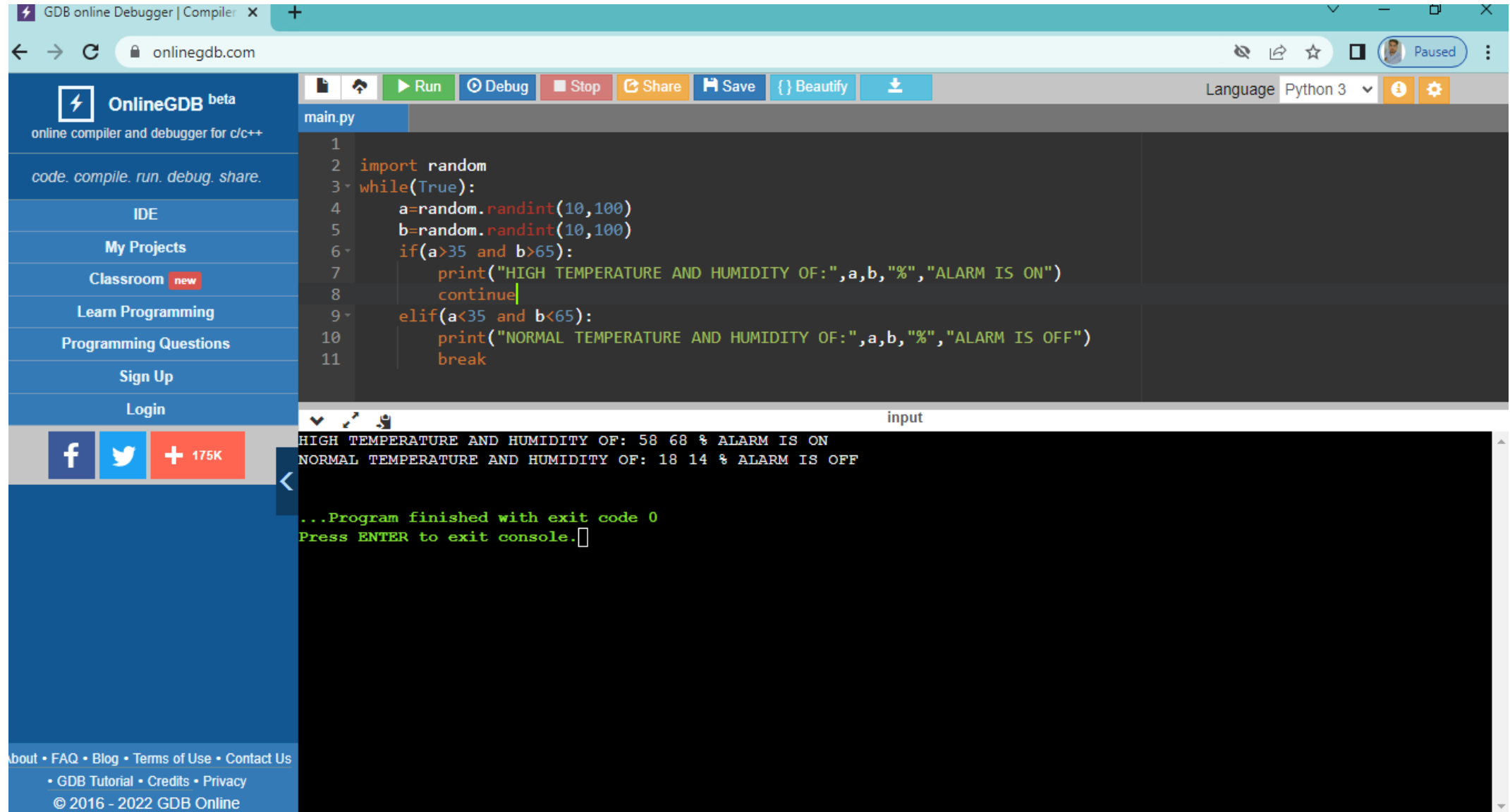
TOPIC: *Assignment on temperature and humidity sensing and alarm automation using python*

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CODE:

```
import randomwhile(True):  
    a=random.randint(10,100)  
    b=random.randint(10,100)  
    if(a>35 and b>65):  
        print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")  
        continue  
    elif(a<35 and b<65):  
        print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")  
        break
```

OUTPUT:-



The screenshot displays the OnlineGDB web interface. The browser address bar shows 'onlinegdb.com'. The interface includes a sidebar on the left with navigation links: IDE, My Projects, Classroom (new), Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook and Twitter, and a '+ 175K' badge. The main area is divided into two sections: a code editor and an output console. The code editor shows a Python file named 'main.py' with the following code:

```
1
2 import random
3 while(True):
4     a=random.randint(10,100)
5     b=random.randint(10,100)
6     if(a>35 and b>65):
7         print("HIGH TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS ON")
8         continue
9     elif(a<35 and b<65):
10        print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")
11        break
```

The output console shows the program's execution results:

```
HIGH TEMPERATURE AND HUMIDITY OF: 58 68 % ALARM IS ON
NORMAL TEMPERATURE AND HUMIDITY OF: 18 14 % ALARM IS OFF

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