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Title	Gas Leakage Monitoring and Alerting System
Topic	Assignment on temperature and humidity sensing and alarm automation using python
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Assignment on temperature and humidity sensing and alarm automation using python

Code:

```
import random

i=1

while(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")

elif(a<35 and b>65):

    print("NORMAL TEMPERATURE AND HUMIDITY OF:",a,b,"%","ALARM IS OFF")

if(i<10):

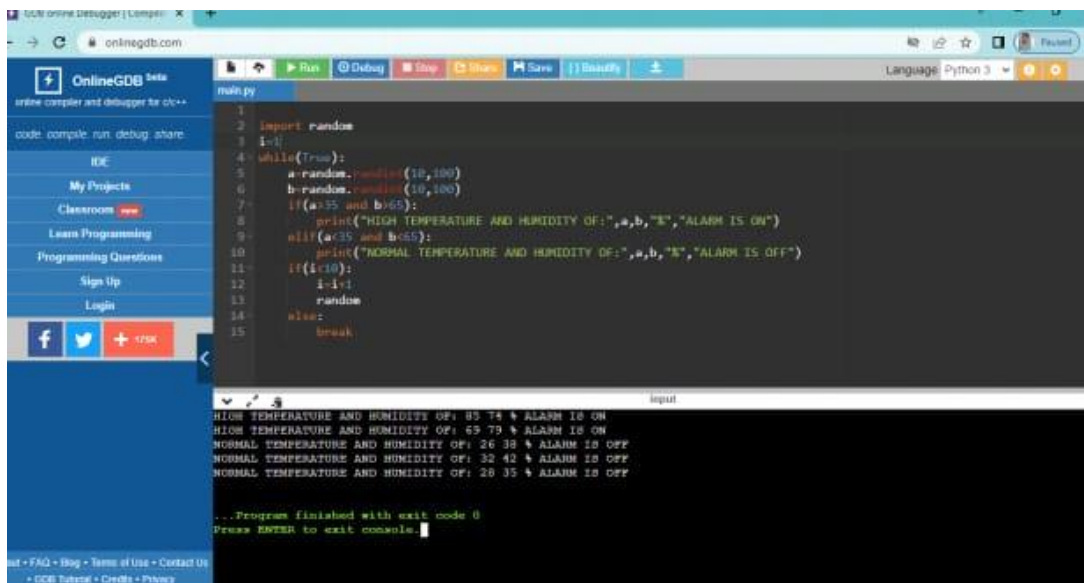
    i=i+1

    random

else:

    break
```

Output:

The image is a screenshot of the OnlineGDB web interface. The top navigation bar includes links for 'code', 'compile', 'run', 'debug', and 'share'. The left sidebar contains a menu with 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main editor area shows a Python script named 'main.py' with 15 lines of code. The code implements a loop that generates random temperature and humidity values and prints an alarm status based on specific conditions. The output window at the bottom shows the execution results, displaying five iterations of the program. The first two iterations show 'ALARM IS ON' for high temperature and low humidity, and the next three show 'ALARM IS OFF' for normal temperature and high humidity. The program ends with a message: '...Program finished with exit code 0. Press ENTER to exit console.'