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<b>Departament</b>	<b>CSE</b>
<b>Title</b>	<i>Gas Leakage Monitoring and Alerting System</i>
<b>Topic</b>	<b>Assignment on temperature and humidity sensing and alarm automation using python</b>
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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):

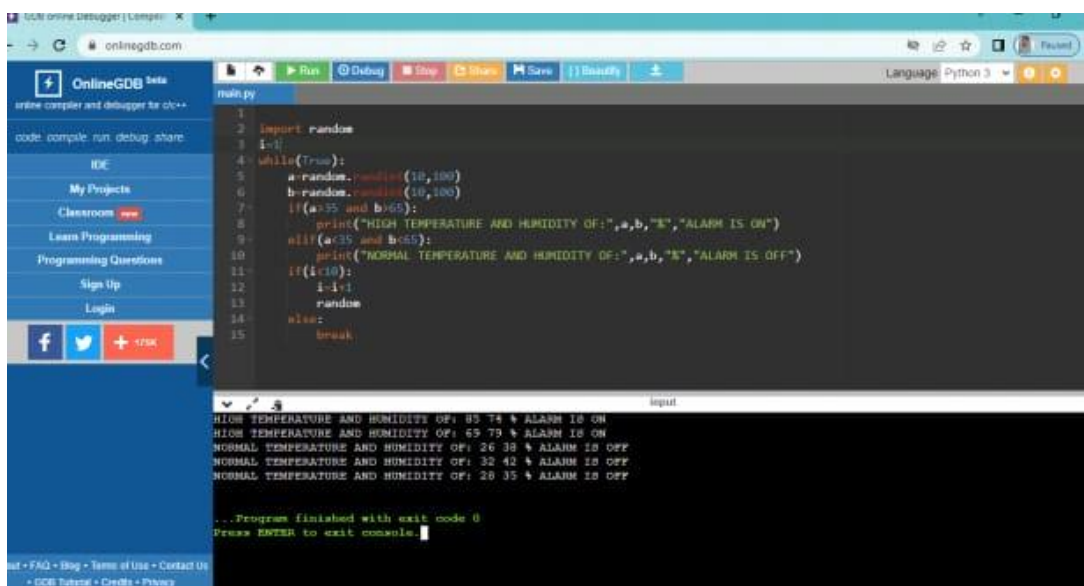
    i=i+1

    random

else:

    break
```

## Output:

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 generates random temperature and humidity values and prints messages based on whether the alarm is on or off. The output window at the bottom shows the execution results, displaying five iterations of the program's output. The first two iterations show 'ALARM IS ON' and the next three show 'ALARM IS OFF'. The program ends with a message: '...Program finished with exit code 0' and 'Press ENTER to exit console.'