

## Assignment -2

Assignment Date	27 September 2022
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### Question :

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

CODE:

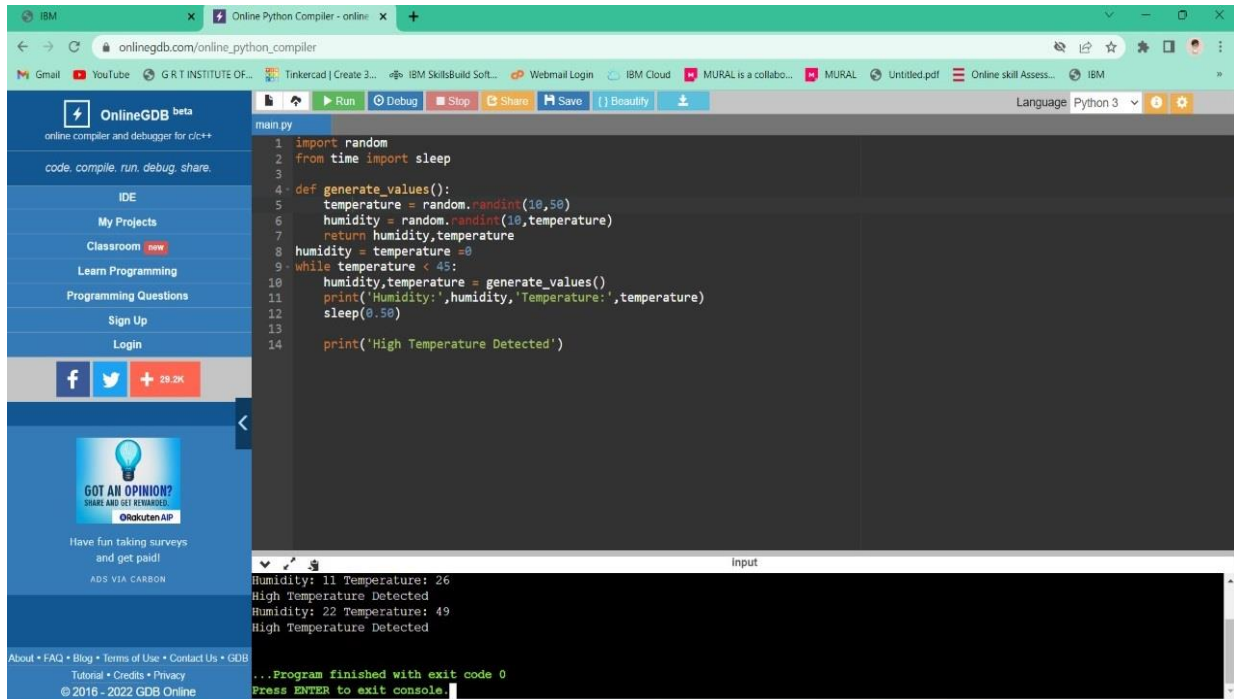
```
import random
from time import sleep

def generate_values():
    temperature = random.randint(10,50)
    humidity = random.randint(10,temperature)
    return humidity,temperature

humidity = temperature =0
while temperature < 45:
    humidity,temperature = generate_values()
    print('Humidity:',humidity,'Temperature:',temperature)
    sleep(0.50)

print('High Temperature Detected')
```

OUTPUT:



The screenshot shows the OnlineGDB website interface. The top navigation bar includes links for IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. The main content area displays a Python program in a code editor. The program is a simple simulation that generates random temperature and humidity values and prints them out. The output is shown in a terminal window at the bottom of the page.

```
main.py
1 import random
2 from time import sleep
3
4 def generate_values():
5     temperature = random.randint(10,50)
6     humidity = random.randint(10,temperature)
7     return humidity,temperature
8 humidity = temperature = 0
9 while temperature < 45:
10     humidity,temperature = generate_values()
11     print('Humidity:',humidity,'Temperature:',temperature)
12     sleep(0.50)
13
14     print('High Temperature Detected')
```

Input

```
Humidity: 11 Temperature: 26
High Temperature Detected
Humidity: 22 Temperature: 49
High Temperature Detected
...Program finished with exit code 0
Press ENTER to exit console.
```