

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 displays the Programiz Python Online Compiler interface. The browser's address bar shows the URL `programiz.com/python-programming/online-compiler/`. The interface includes a top navigation bar with the Programiz logo and a sidebar on the left with icons for various programming languages. The main area is divided into two panels: a code editor on the left and a shell on the right. The code editor contains a Python script named `main.py` with the following code:

```
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')
```

The shell on the right shows the output of the script:

```
Humidity: 30 Temperature: 48
High Temperature Detected
> |
```

At the bottom of the interface, there is a status bar with a file icon and the text `PROBLEM STATEMENT.pdf`, and a `Show all` button on the right.