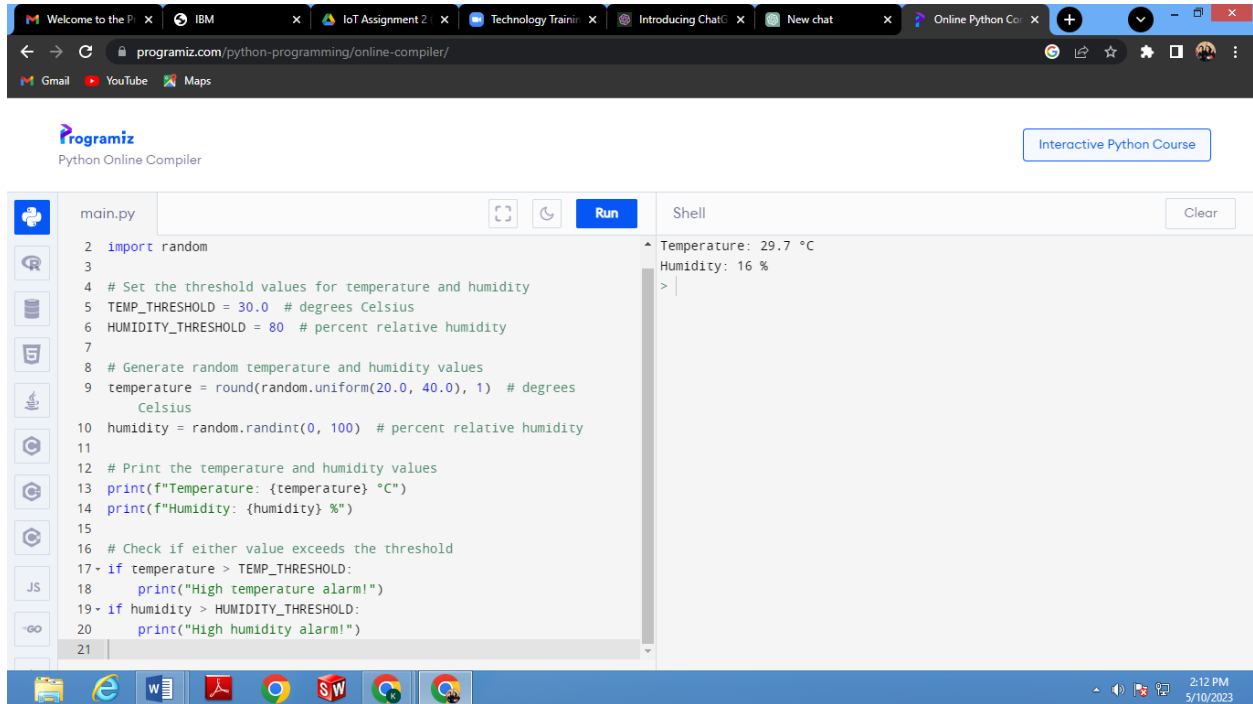


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SCREENSHOT :



The screenshot shows a web browser with multiple tabs, including 'Welcome to the P...', 'IBM', 'IoT Assignment 2', 'Technology Traini...', 'Introducing Chat...', 'New chat', and 'Online Python Co...'. The active tab is 'programiz.com/python-programming/online-compiler/'. The browser's address bar shows the URL. Below the browser, the Programiz Python Online Compiler interface is visible. It includes a 'Run' button and a 'Shell' output area. The code in the editor is as follows:

```
main.py
1 import random
2
3
4 # Set the threshold values for temperature and humidity
5 TEMP_THRESHOLD = 30.0 # degrees Celsius
6 HUMIDITY_THRESHOLD = 80 # percent relative humidity
7
8 # Generate random temperature and humidity values
9 temperature = round(random.uniform(20.0, 40.0), 1) # degrees
   Celsius
10 humidity = random.randint(0, 100) # percent relative humidity
11
12 # Print the temperature and humidity values
13 print(f"Temperature: {temperature} °C")
14 print(f"Humidity: {humidity} %")
15
16 # Check if either value exceeds the threshold
17 if temperature > TEMP_THRESHOLD:
18     print("High temperature alarm!")
19 if humidity > HUMIDITY_THRESHOLD:
20     print("High humidity alarm!")
21
```

The Shell output area shows the results of the program execution:

```
Temperature: 29.7 °C
Humidity: 16 %
>
```

The Windows taskbar at the bottom shows the time as 2:12 PM on 5/10/2023.

PROGRAM:

```
import random
```

```
# Set the threshold values for temperature and humidity
```

```
TEMP_THRESHOLD = 30.0 # degrees Celsius
```

```
HUMIDITY_THRESHOLD = 80 # percent relative humidity
```

```
# Generate random temperature and humidity values
```

```
temperature = round(random.uniform(20.0, 40.0), 1) # degrees Celsius
```

```
humidity = random.randint(0, 100) # percent relative humidity
```

```
# Print the temperature and humidity values
```

```
print(f"Temperature: {temperature} °C")
```

```
print(f"Humidity: {humidity} %")
```

```
# Check if either value exceeds the threshold
```

```
if temperature > TEMP_THRESHOLD:
```

```
    print("High temperature alarm!")
```

```
if humidity > HUMIDITY_THRESHOLD:
```

```
    print("High humidity alarm!")
```