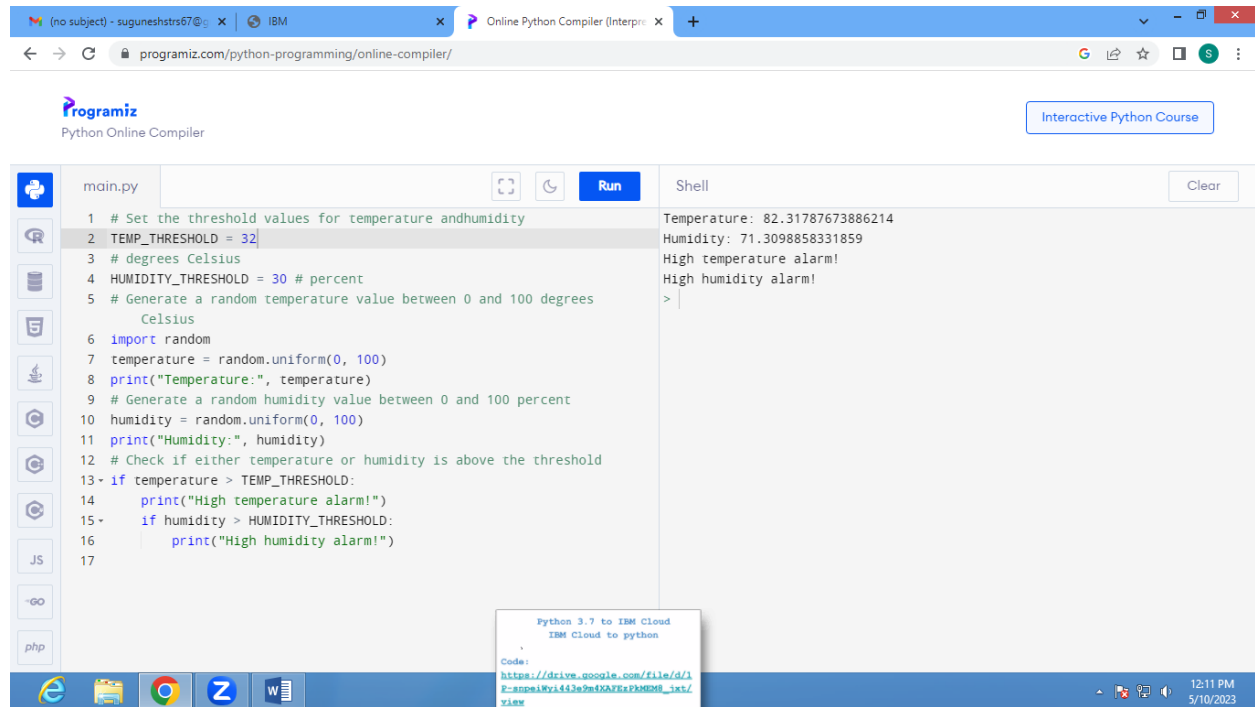


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The screenshot shows a web browser window with the Programiz Python Online Compiler. The code in main.py is as follows:

```
1 # Set the threshold values for temperature and humidity
2 TEMP_THRESHOLD = 32
3 # degrees Celsius
4 HUMIDITY_THRESHOLD = 30 # percent
5 # Generate a random temperature value between 0 and 100 degrees
  Celsius
6 import random
7 temperature = random.uniform(0, 100)
8 print("Temperature:", temperature)
9 # Generate a random humidity value between 0 and 100 percent
10 humidity = random.uniform(0, 100)
11 print("Humidity:", humidity)
12 # Check if either temperature or humidity is above the threshold
13 if temperature > TEMP_THRESHOLD:
14     print("High temperature alarm!")
15     if humidity > HUMIDITY_THRESHOLD:
16         print("High humidity alarm!")
17
```

The Shell output shows the following results:

```
Temperature: 82.31787673886214
Humidity: 71.3098858331859
High temperature alarm!
High humidity alarm!
>
```

A small pop-up window at the bottom right of the code editor contains the text: "Python 3.7 to IBM Cloud IBM Cloud to python" and a code snippet: "Code: https://drive.google.com/file/d/1P-8npeiWv443e9m4XAT8sPKMMDM8_int/view".

sketch.inf

Set the threshold values for temperature and humidity

TEMP_THRESHOLD = 32

degrees Celsius

HUMIDITY_THRESHOLD = 30 # percent

Generate a random temperature value between 0 and 100 degrees Celsius

import random

temperature = random.uniform(0, 100)

```
print("Temperature:", temperature)

# Generate a random humidity value between 0 and 100
percent

humidity = random.uniform(0, 100)

print("Humidity:", humidity)

# Check if either temperature or humidity is above the
threshold

if temperature > TEMP_THRESHOLD:
    print("High temperature alarm!")

if humidity > HUMIDITY_THRESHOLD:
    print("High humidity alarm!")
```