

## IBM ASSIGNMENT 2

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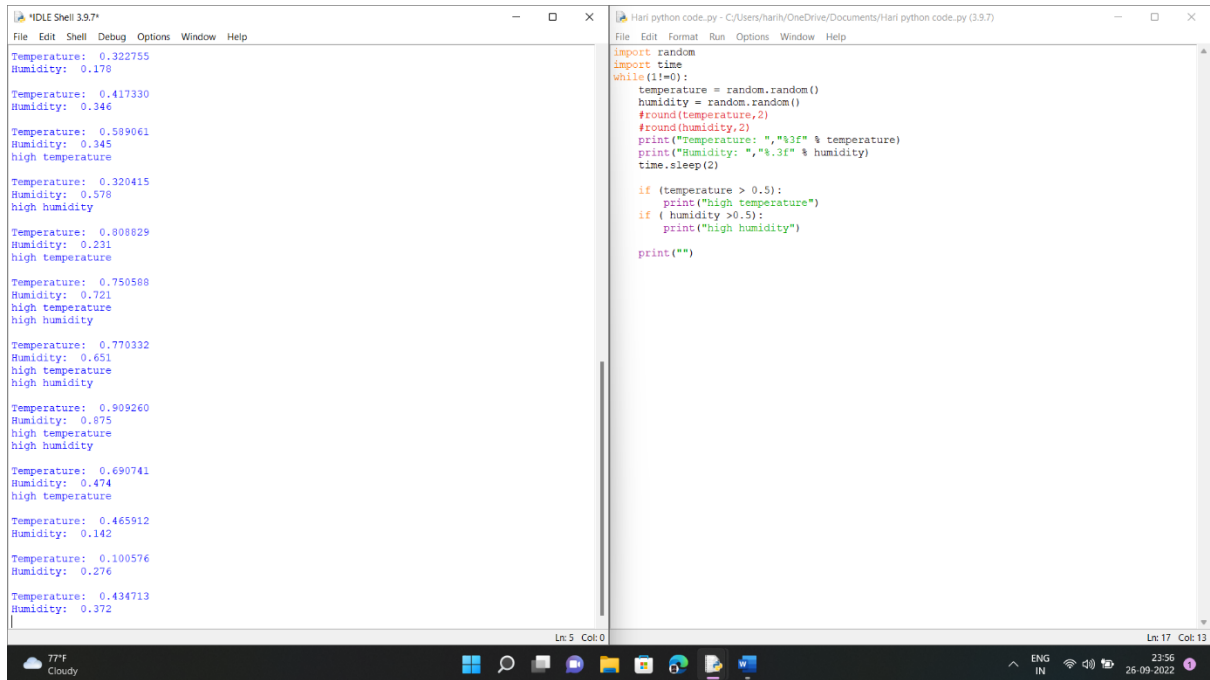
### Python code:

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    #round(temperature,2)
    #round(humidity,2)
    print("Temperature: ", "%3f" % temperature)
    print("Humidity: ", "%3f" % humidity)
    time.sleep(2)

    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")

    print("")
```

# Output:



The screenshot displays a Python IDE with two windows. The left window, titled 'IDLE Shell 3.9.7', shows the output of a Python script. The right window, titled 'Hari python code.py - C:/Users/harih/OneDrive/Documents/Hari python code.py (3.9.7)', shows the source code of the script. The script generates random temperature and humidity values and prints them, along with a 'high temperature' or 'high humidity' message based on certain thresholds. The output in the shell window shows 15 iterations of these values.

```
File Edit Shell Debug Options Window Help
Temperature: 0.322755
Humidity: 0.178

Temperature: 0.417330
Humidity: 0.346

Temperature: 0.599061
Humidity: 0.345
high temperature

Temperature: 0.320415
Humidity: 0.578
high humidity

Temperature: 0.908829
Humidity: 0.231
high temperature

Temperature: 0.750588
Humidity: 0.721
high temperature
high humidity

Temperature: 0.770332
Humidity: 0.651
high temperature
high humidity

Temperature: 0.909260
Humidity: 0.875
high temperature
high humidity

Temperature: 0.690741
Humidity: 0.474
high temperature

Temperature: 0.465912
Humidity: 0.142

Temperature: 0.100576
Humidity: 0.276

Temperature: 0.434713
Humidity: 0.372

Ln: 5 Col: 0
```

```
File Edit Format Run Options Window Help
import random
import time
while (1!=0):
    temperature = random.random()
    humidity = random.random()
    #round(temperature,2)
    #round(humidity,2)
    print("Temperature: ", "%3f" % temperature)
    print("Humidity: ", "%3f" % humidity)
    time.sleep(2)

    if (temperature > 0.5):
        print("high temperature")
    if (humidity > 0.5):
        print("high humidity")

    print("")

Ln: 17 Col: 13
```

77°F Cloudy 23:56 26-09-2022