

IBM ASSIGNMENT 2

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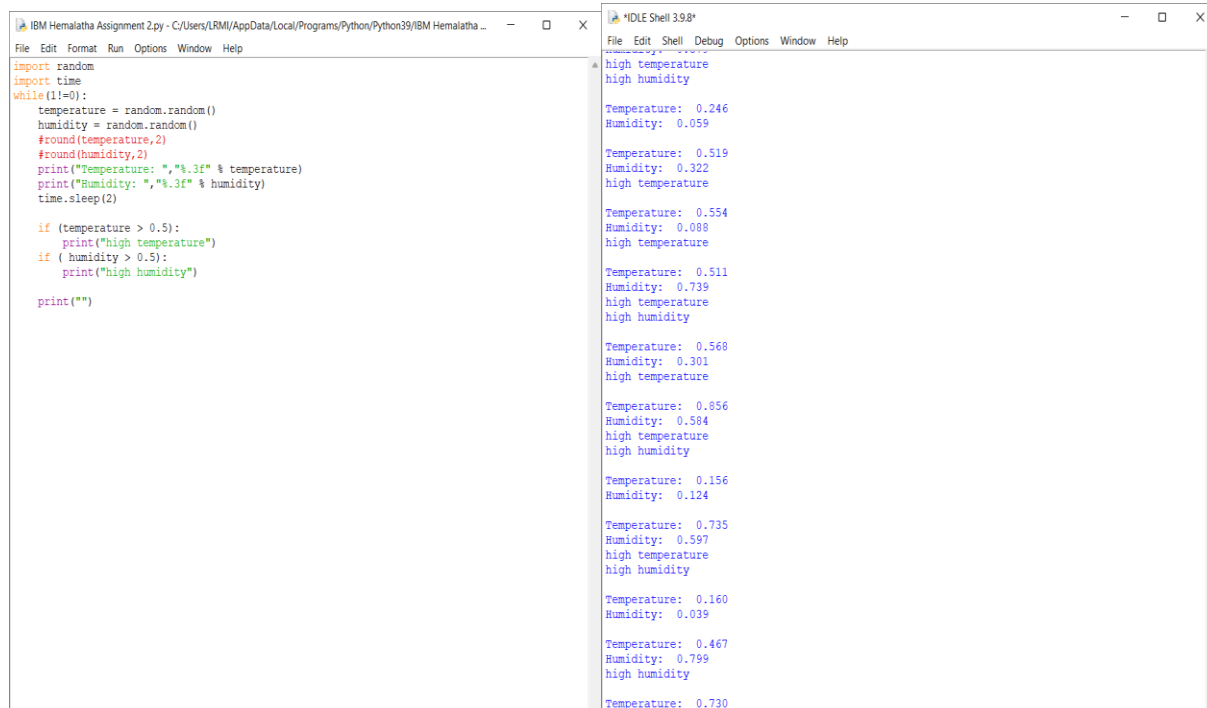
Python Code:

```
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 image shows a screenshot of a Python IDE with two windows. The left window, titled 'IBM Hemalatha Assignment 2.py', contains a Python script. The script imports 'random' and 'time', then enters a 'while' loop that generates random temperature and humidity values, prints them, and checks for 'high' values. The right window, titled 'IDLE Shell 3.9.8', displays the output of the script, showing the generated values and the 'high' status for each iteration.

```
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("")
```

high temperature
high humidity
Temperature: 0.246
Humidity: 0.059
Temperature: 0.519
Humidity: 0.322
high temperature
Temperature: 0.554
Humidity: 0.088
high temperature
Temperature: 0.511
Humidity: 0.739
high temperature
high humidity
Temperature: 0.568
Humidity: 0.301
high temperature
Temperature: 0.856
Humidity: 0.584
high temperature
high humidity
Temperature: 0.156
Humidity: 0.124
Temperature: 0.735
Humidity: 0.597
high temperature
high humidity
Temperature: 0.160
Humidity: 0.039
Temperature: 0.467
Humidity: 0.799
high humidity
Temperature: 0.730