

## **IBM ASSIGNMENT 2**

**NAME:** Indhudas.L

**COLLEGE:** Sona College of Technology

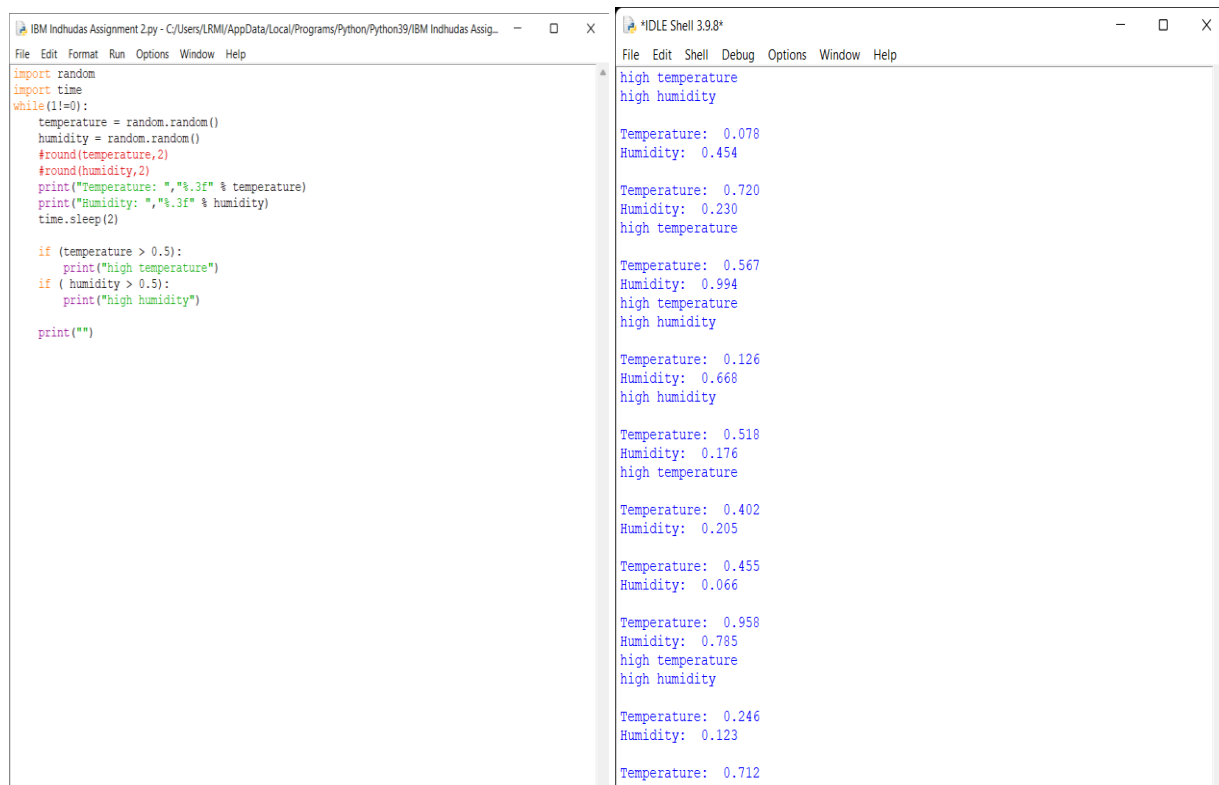
### **Python Code:**

```
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 Indhudas Assignment 2.py', contains a Python script. The right window, titled '\*IDLE Shell 3.9.8\*', shows the output of the script. The script generates random temperature and humidity values, prints them, and checks for 'high' values based on a 0.5 threshold. The output shows several iterations of these values, with some labeled as 'high temperature' or 'high humidity'.

```
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: 0.078
Humidity: 0.454

Temperature: 0.720
Humidity: 0.230
high temperature

Temperature: 0.567
Humidity: 0.994
high temperature
high humidity

Temperature: 0.126
Humidity: 0.668
high humidity

Temperature: 0.518
Humidity: 0.176
high temperature

Temperature: 0.402
Humidity: 0.205

Temperature: 0.455
Humidity: 0.066

Temperature: 0.958
Humidity: 0.785
high temperature
high humidity

Temperature: 0.246
Humidity: 0.123

Temperature: 0.712
```