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")
```

Output:

```
BM Jayashree Assignment 2.py - C;/Users/LRMI/AppData/Local/Programs/Python/Python39/IBM Jayashree Assi... —
                                                                                                                                                                                   X A *IDLE Shell 3.9.8*
File Edit Format Run Options Window Help
                                                                                                                                                                                               File Edit Shell Debug Options Window Help
 import random
                                                                                                                                                                                             Humidity: 0.035
high temperature
   mport time
hile(1!=0):
      temperature = random.random()
humidity = random.random()
                                                                                                                                                                                              |
Temperature: 0.058
Humidity: 0.395
      numIndity = Lamoum.famium()
#round(meperature,2)
print("Temperature: ","%.3f" % temperature)
print("Memidity: ","%.3f" % humidity)
time.sleep(2)
                                                                                                                                                                                              Temperature: 0.932
Humidity: 0.349
high temperature
                                                                                                                                                                                              Temperature: 0.575
Humidity: 0.705
high temperature
high humidity
      if (temperature > 0.5):
    print("high temperature")
if (humidity > 0.5):
    print("high humidity")
                                                                                                                                                                                              Temperature: 0.690
Humidity: 0.202
high temperature
      print("")
                                                                                                                                                                                              Temperature: 0.541
Humidity: 0.247
high temperature
                                                                                                                                                                                              Temperature: 0.541
Humidity: 0.398
high temperature
                                                                                                                                                                                             Temperature: 0.293
Humidity: 0.249
                                                                                                                                                                                             Temperature: 0.654
Humidity: 0.368
high temperature
                                                                                                                                                                                             Temperature: 0.558
Humidity: 0.056
high temperature
                                                                                                                                                                                             Temperature: 0.632
Humidity: 0.526
high temperature
high humidity
                                                                                                                                                                                            Temperature: 0.185
```