IBM ASSIGNMENT 2

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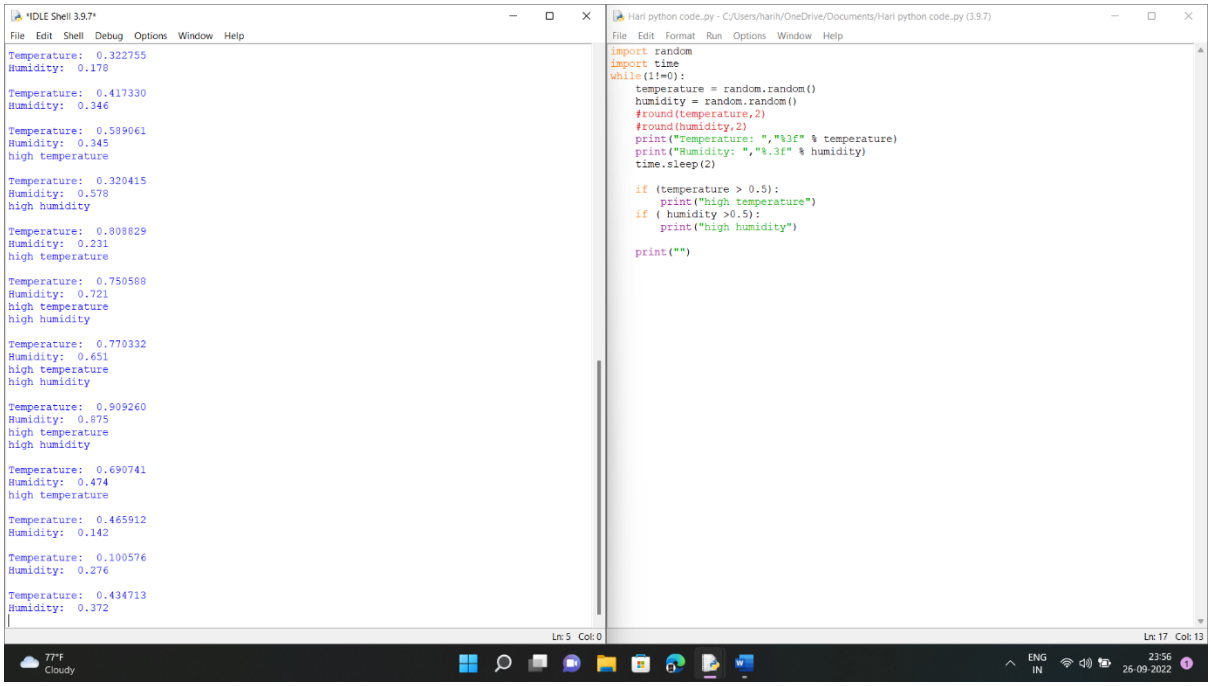
Python code:

```
 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:


IDLE Shell 3.9.7
File Edit Shell Debug Options Window Help
Temperature: 0.322755
Humidity: 0.178
Temperature: 0.417330
Humidity: 0.346
Temperature: 0.589061
Humidity: 0.345
high temperature
Temperature: 0.320415
Humidity: 0.578
high humidity
Temperature: 0.808829
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
Hari python code.py - C:/Users/harih/OneDrive/Documents/Hari python code.py (3.9.7)
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
ENG
IN
23:56
26-09-2022