IBM ASSIGNMENT 2

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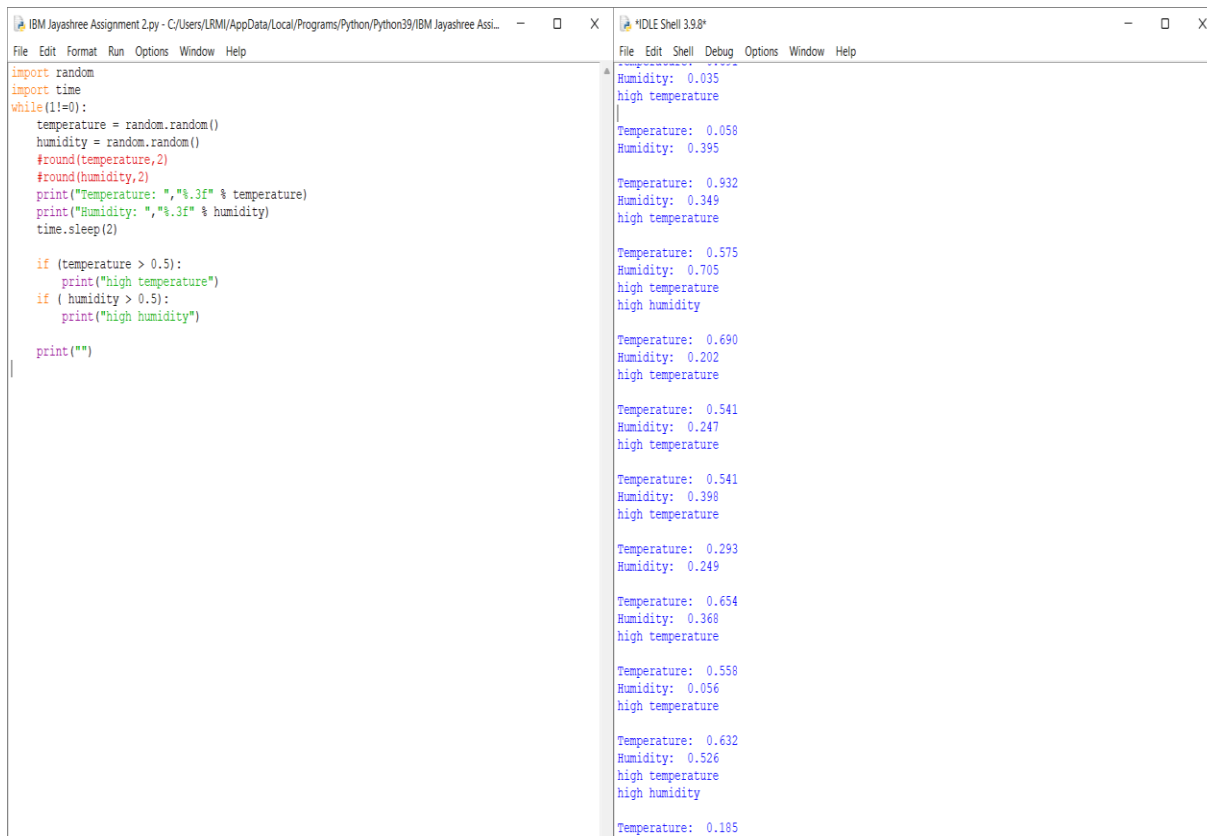**COLLEGE:** Sona College of Technology

Python Code:

```python
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:

```
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("")
```

```
Humidity:  0.035
high temperature

Temperature:  0.058
Humidity:  0.395

Temperature:  0.932
Humidity:  0.349
high temperature

Temperature:  0.575
Humidity:  0.705
high temperature
high humidity

Temperature:  0.690
Humidity:  0.202
high temperature

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
```