IBM ASSIGNMENT 2

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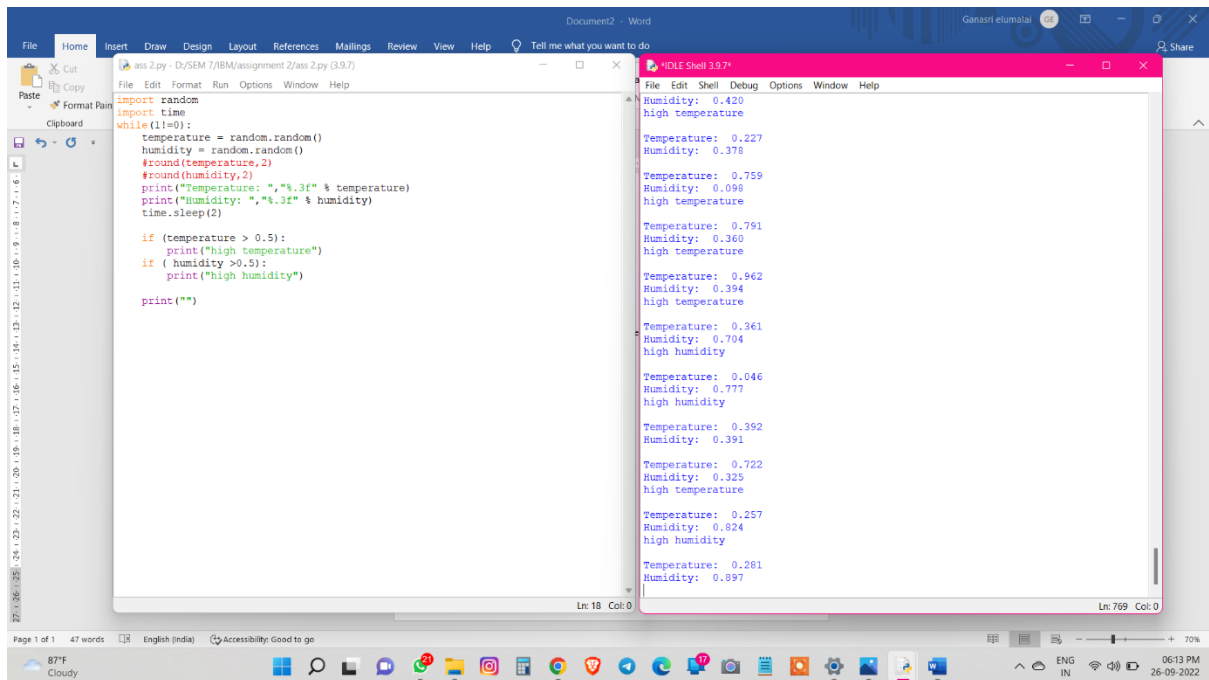
College: Sona College
of Technology

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")
```

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:  0.420
high temperature

Temperature:  0.227
Humidity:  0.378

Temperature:  0.759
Humidity:  0.098
high temperature

Temperature:  0.791
Humidity:  0.360
high temperature

Temperature:  0.962
Humidity:  0.394
high temperature

Temperature:  0.361
Humidity:  0.704
high humidity

Temperature:  0.046
Humidity:  0.777
high humidity

Temperature:  0.392
Humidity:  0.391

Temperature:  0.722
Humidity:  0.325
high temperature

Temperature:  0.257
Humidity:  0.824
high humidity

Temperature:  0.281
Humidity:  0.897
```