IBM ASSIGNMENT 2

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Python Code :

```python
import random
import time
while (1!=0):
    temperature=random.random()
    humidity=random.random()
    #round(temperature,2)
    #round(humidity,2)
    print("Temterature:","%.3f" % temperature)
    print("Humidity:","%.3f" % humidity)
    time.sleep(2)
```

```
if (temperature>0.5):

    print("High temperature")

if (humidity>0.5):

    print("High humidity")
```

OUTPUT :

```
main.py                                      Run

1   import random
2   import time
3▾  while (1!=0):
4       temperature=random.random()
5       humidity=random.random()
6       #round(temperature,2)
7       #round(humidity,2)
8       print("Temterature:","%.3f" % temperature)
9       print("Humidity:","%.3f" % humidity)
10      time.sleep(2)
11
12▾     if (temperature>0.5):
13          print("High temperature")
14▾     if (humidity>0.5):
15          print("High humidity")
```

```
Shell

Temterature: 0.804
Humidity: 0.454
High temperature
Temterature: 0.496
Humidity: 0.256
Temterature: 0.024
Humidity: 0.447
Temterature: 0.840
Humidity: 0.414
High temperature
Temterature: 0.665
Humidity: 0.595
High temperature
High humidity
Temterature: 0.300
Humidity: 0.160
Temterature: 0.396
Humidity: 0.537
High humidity
Temterature: 0.925
Humidity: 0.582
High temperature
High humidity
Temterature: 0.151
Humidity: 0.782
High humidity
Temterature: 0.323
```