

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("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:

Programiz Python Online Compiler

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("Temperature:", "%.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

Temperature: 0.804
Humidity: 0.454
High temperature
Temperature: 0.496
Humidity: 0.256
Temperature: 0.024
Humidity: 0.447
Temperature: 0.840
Humidity: 0.414
High temperature
Temperature: 0.665
Humidity: 0.595
High temperature
High humidity
Temperature: 0.300
Humidity: 0.160
Temperature: 0.396
Humidity: 0.537
High humidity
Temperature: 0.925
Humidity: 0.582
High temperature
High humidity
Temperature: 0.151
Humidity: 0.782
High humidity
Temperature: 0.322