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PYTHON CODE:

```
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    print("temperature: ", temperature)
    print("humidity: ",humidity)
    time.sleep(2)

    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")
```

## OUTPUT:

```
File Edit Format Run Options Window Help
import random
import time
while(1!=0):
    temperature = random.random()
    humidity = random.random()
    print("temperature: ", temperature)
    print("humidity: ", humidity)
    time.sleep(2)

    if (temperature > 0.5):
        print("high temperature")
    if ( humidity >0.5):
        print("high humidity")

Ln: 13 Col: 30
```

```
File Edit Shell Debug Options Window Help
high temperature
temperature: 0.18605619577856183
humidity: 0.3578836541895637
temperature: 0.16693837055616234
humidity: 0.47624879145311489
temperature: 0.08534167459648845
humidity: 0.2576890653827929
temperature: 0.08986251041142423
humidity: 0.6452769050855381
high humidity
temperature: 0.24201042226776437
humidity: 0.6935991965706316
high humidity
temperature: 0.27364526772240794
humidity: 0.016900348041834157
temperature: 0.028138387336805626
humidity: 0.31235075850943195
temperature: 0.9836727007715538
humidity: 0.3635850024153984
high temperature
temperature: 0.7466325773943324
humidity: 0.6327667515744416
high temperature
high humidity
temperature: 0.127479817668002
humidity: 0.604146065408092
high humidity
temperature: 0.5019455277959647
humidity: 0.9309440318317712
high temperature
high humidity
temperature: 0.7095501676928222
humidity: 0.845374165957207
high temperature
high humidity
temperature: 0.517263380189197
humidity: 0.25880498939604846
high temperature
temperature: 0.3342219347024894
humidity: 0.29237337643041095
temperature: 0.29996891532550174
humidity: 0.860250674695455
high humidity
temperature: 0.5022702898476624
humidity: 0.11151235906905665

Ln: 3 Col: 4
```

83°F  
Haze

10:35  
27-09-2022