

Assignment 2

Code :

```
import random

import time

while(1!=0):

    temperature = random.random()

    humidity = random.random()

    print("Temperature: ", "%0.3f" % temperature)

    print("Humidity: ", "%0.3f" % humidity)

    time.sleep(2)

    if (temperature > 0.5):

        print("high temperature")

    if ( humidity >0.5):

        print("high humidity")

    print(" ")
```

Output:

```
Python 3.9 (64-bit)
Python 3.9.8 (tags/v3.9.8:bb3fdecf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> import random
>>> import time
>>> while(1!=0):
...     temperature = random.random()
...     humidity = random.random()
...     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(" ")
...
Temperature: 0.574
Humidity: 0.766
high temperature
high humidity

Temperature: 0.961
Humidity: 0.133
high temperature

Temperature: 0.691
Humidity: 0.814
high temperature

Temperature: 0.513
Humidity: 0.148
high temperature

Temperature: 0.355
Humidity: 0.874

Temperature: 0.527
Humidity: 0.186
high temperature

Temperature: 0.594
Humidity: 0.493
high temperature

Temperature: 0.130
Humidity: 0.988
high humidity

Temperature: 0.392
Humidity: 0.315
```