

ASSIGNMENT 2

Code:

```
import random

for i in range(0,100):

    temp=random.randint(0,1000)

    hum=random.randint(0,1000)

    print("Temperature level:"+str(temp))

    print("Humidity level:"+str(hum))

    if(temp==range(30,38) and hum==range(30,50)):

        print("NORMAL TEMPERATURE")

    elif(temp>500 or hum<30):

        print("HIGH TEMPERATURE")
```

OUTPUT:

```
import random
for i in range(0,100):
    temp=random.randint(0,1000)
    hum=random.randint(0,1000)
    print("Temperature level:"+str(temp))
    print("Humidity level:"+str(hum))
    if(temp==range(30,38) and hum==range(30,50)):
        print("NORMAL TEMPERATURE")
    elif(temp>500 or hum<30):
        print("HIGH TEMPERATURE")
```

IDLE Shell 3.10.7

File Edit Shell Debug Options Window Help

Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

>>> = RESTART: C:/Users/HP/AppData/Local/Programs/Python/Python310/assignment 2.py =
Temperature level:295
Humidity level:428
Temperature level:770
Humidity level:178
HIGH TEMPERATURE
Temperature level:216
Humidity level:236
Temperature level:182
Humidity level:389
Temperature level:748
Humidity level:160
HIGH TEMPERATURE
Temperature level:514
Humidity level:806
HIGH TEMPERATURE
Temperature level:157
Humidity level:377
Temperature level:729
Humidity level:890
HIGH TEMPERATURE
Temperature level:234
Humidity level:34
Temperature level:735
Humidity level:946
HIGH TEMPERATURE
Temperature level:213
Humidity level:905
Temperature level:696
Humidity level:189
HIGH TEMPERATURE
Temperature level:804
Humidity level:497
HIGH TEMPERATURE
Temperature level:786
Humidity level:309

Ln: 252 Col