NAME : DINAKARAN C

COLLEGE: SONA COLLEGE OF TECHNOLOGY

PYTHON CODE:

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

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

OUTPUT:

```
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")
```

```
high temperature
temperature:  0.18605619577856183
humidity:  0.3578836541895637
temperature:  0.16693037055616234
humidity:  0.47624879145311483
temperature:  0.08534167459648845
humidity:  0.2576890653027929
temperature:  0.08906251041142423
humidity:  0.6452769050855301
high humidity
temperature:  0.24201042226776437
humidity:  0.6935991965706316
high humidity
temperature:  0.27364526772240794
humidity:  0.016900348041834157
temperature:  0.028138387336805626
humidity:  0.31235075050943195
temperature:  0.9836727007715538
humidity:  0.3635850024153984
high temperature
temperature:  0.7466325773943324
humidity:  0.6327667515744416
high temperature
high humidity
temperature:  0.127479817868002
humidity:  0.604146065408092
high humidity
temperature:  0.5019655277959647
humidity:  0.9309440318317712
high temperature
high humidity
temperature:  0.7095501676928222
humidity:  0.845374165957287
high temperature
high humidity
temperature:  0.517263380189197
humidity:  0.25880498939604846
high temperature
temperature:  0.3342219347024894
humidity:  0.2923733764304109S
temperature:  0.29996891532550174
humidity:  0.860250074695455
high humidity
temperature:  0.5022702898476624
humidity:  0.11151235906905665
```