

IBM ASSIGNMENT 2

Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PROGRAM:

```
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):

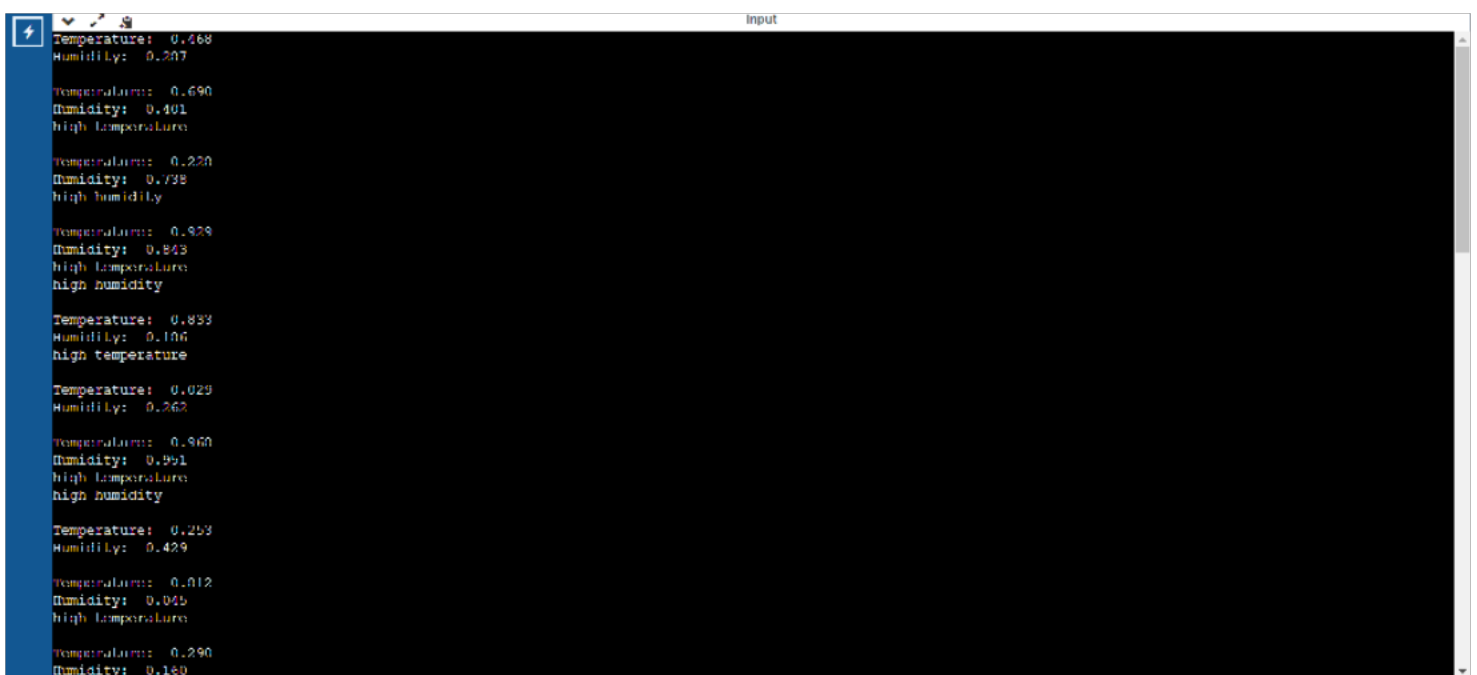
        print("high temperature")

    if ( humidity >0.5):

        print("high humidity")

    print(" ")
```

OUTPUT:



```
Temperature: 0.668
Humidity: 0.207

Temperature: 0.690
Humidity: 0.401
high temperature

Temperature: 0.220
Humidity: 0.738
high humidity

Temperature: 0.929
Humidity: 0.843
high temperature
high humidity

Temperature: 0.833
Humidity: 0.106
high temperature

Temperature: 0.029
Humidity: 0.262

Temperature: 0.960
Humidity: 0.901
high temperature
high humidity

Temperature: 0.253
Humidity: 0.429

Temperature: 0.012
Humidity: 0.045
high temperature

Temperature: 0.290
Humidity: 0.160
```

