

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):

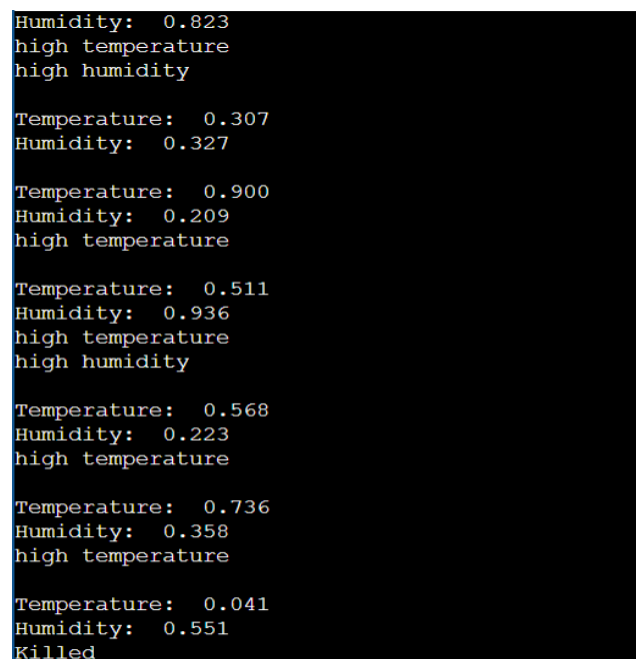
        print("high temperature")

    if ( humidity >0.5):

        print("high humidity")

    print(" ")
```

OUTPUT:



```
Humidity:  0.823
high temperature
high humidity

Temperature:  0.307
Humidity:  0.327

Temperature:  0.900
Humidity:  0.209
high temperature

Temperature:  0.511
Humidity:  0.936
high temperature
high humidity

Temperature:  0.568
Humidity:  0.223
high temperature

Temperature:  0.736
Humidity:  0.358
high temperature

Temperature:  0.041
Humidity:  0.551
Killed
```