

IBM ASSIGNMENT 2

Assignment Date	September 27 2022
Student Name	Swathi G M
Student Roll Number	73771913179
Maximum marks	2 Marks

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: 0.145
⬆	high temperature
➤	Temperature: 0.819
↗	Humidity: 0.891
	high temperature
	high humidity
	Temperature: 0.369
	Humidity: 0.574
	high humidity
	Temperature: 0.282
	Humidity: 0.869
	high humidity
	Temperature: 0.087
	Humidity: 0.517
	high humidity
	Temperature: 0.721
	Humidity: 0.362
	high temperature
	Temperature: 0.435