

## 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
```