

Student Name	M.Habish
Student Roll Number	73771921132
Maximum marks	2 Marks

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):

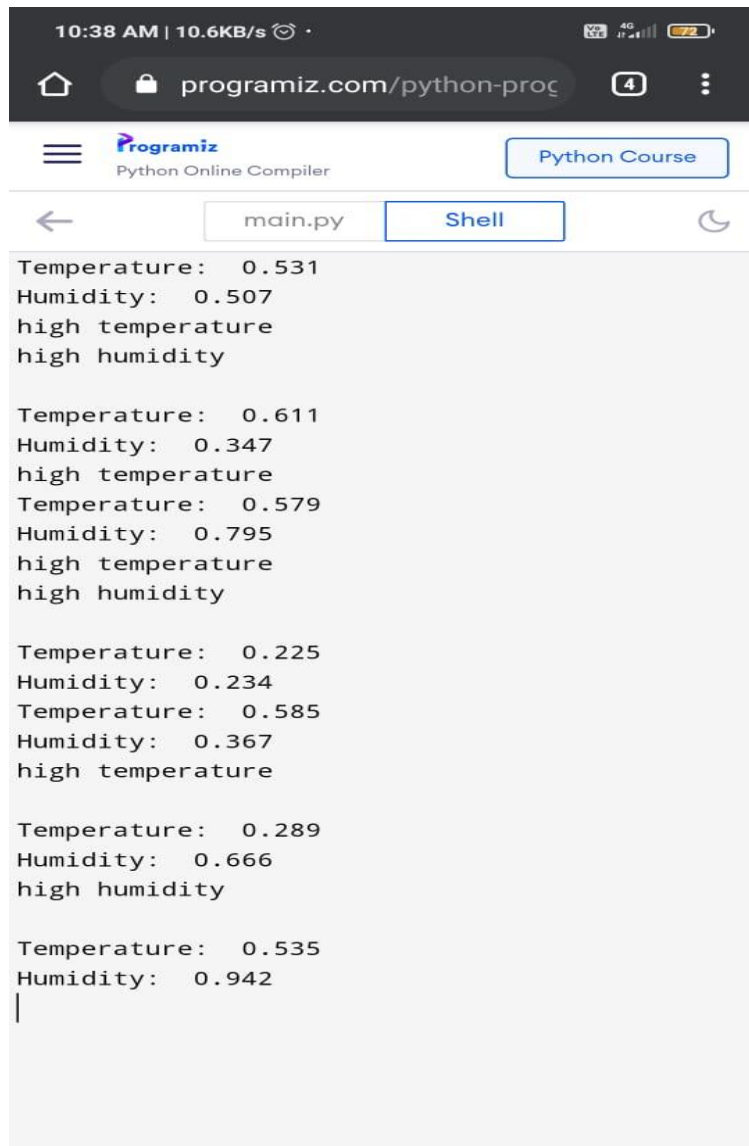
        print("high temperature")

    if ( humidity >0.5):

        print("high humidity")

print(" ")
```

Output:



```
10:38 AM | 10.6KB/s
programiz.com/python-prog
Python Course
main.py Shell
Temperature: 0.531
Humidity: 0.507
high temperature
high humidity

Temperature: 0.611
Humidity: 0.347
high temperature
Temperature: 0.579
Humidity: 0.795
high temperature
high humidity

Temperature: 0.225
Humidity: 0.234
Temperature: 0.585
Humidity: 0.367
high temperature

Temperature: 0.289
Humidity: 0.666
high humidity

Temperature: 0.535
Humidity: 0.942
|
```

