IBM ASSIGNMENT 2

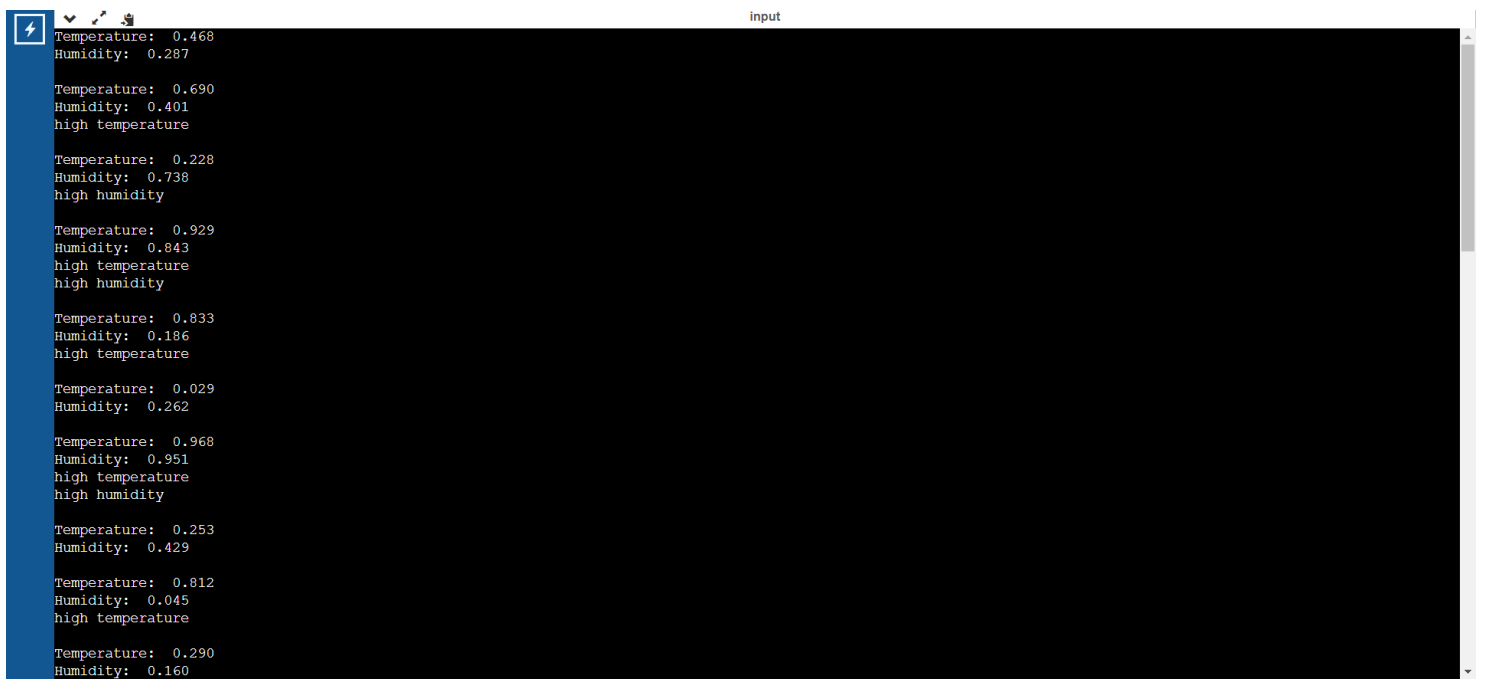| Assignment date	27 September 2022
Student Name	Nandhini S
Student Roll Number	73771913148
Maximum Marks	2 marks

Question 1:

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:

```python
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:  0.468
Humidity:  0.287

Temperature:  0.690
Humidity:  0.401
high temperature

Temperature:  0.228
Humidity:  0.738
high humidity

Temperature:  0.929
Humidity:  0.843
high temperature
high humidity

Temperature:  0.833
Humidity:  0.186
high temperature

Temperature:  0.029
Humidity:  0.262

Temperature:  0.968
Humidity:  0.951
high temperature
high humidity

Temperature:  0.253
Humidity:  0.429

Temperature:  0.812
Humidity:  0.045
high temperature

Temperature:  0.290
Humidity:  0.160
```