IBM Assignment – 2

Project Title: Real- Time River Water Quality Monitoring and Control System

IBM GitHub Repo: **IBM-EPBL/IBM-Project-29621-1660127790**

Team Member:-

(1) Mohan A (Team Leader)
(2) Prasanth N
(3) Dhinakaran B
(4) Karthi S

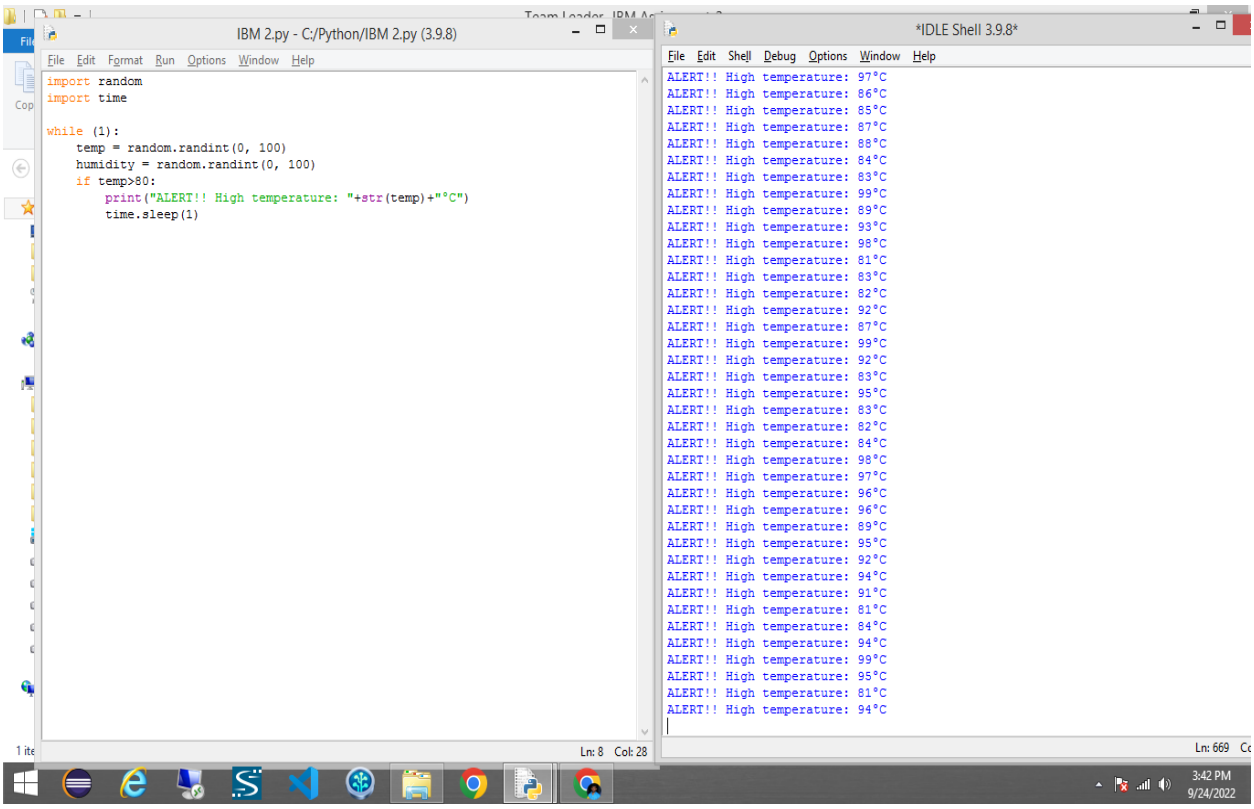
Question:

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.

Python code:

```
import random
import time
while (1):
  temp = random.randint(0, 100)
 humidity = random.randint(0, 100)
if temp>80:
 print("ALERT!! Detected temperature: "+str(temp)+"°C")
 time.sleep(1)
```

Output:


IBM 2.py - C:/Python/IBM 2.py (3.9.8)
File Edit Format Run Options Window Help
import random
import time
while (1):
temp = random.randint(0, 100)
humidity = random.randint(0, 100)
if temp>80:
print("ALERT!! High temperature: "+str(temp)+"°C")
time.sleep(1)
Ln: 8 Col: 28
IDLE Shell 3.9.8
File Edit Shell Debug Options Window Help
ALERT!! High temperature: 97°C
ALERT!! High temperature: 86°C
ALERT!! High temperature: 85°C
ALERT!! High temperature: 87°C
ALERT!! High temperature: 88°C
ALERT!! High temperature: 84°C
ALERT!! High temperature: 83°C
ALERT!! High temperature: 99°C
ALERT!! High temperature: 89°C
ALERT!! High temperature: 93°C
ALERT!! High temperature: 98°C
ALERT!! High temperature: 81°C
ALERT!! High temperature: 83°C
ALERT!! High temperature: 82°C
ALERT!! High temperature: 92°C
ALERT!! High temperature: 87°C
ALERT!! High temperature: 99°C
ALERT!! High temperature: 92°C
ALERT!! High temperature: 83°C
ALERT!! High temperature: 95°C
ALERT!! High temperature: 83°C
ALERT!! High temperature: 82°C
ALERT!! High temperature: 84°C
ALERT!! High temperature: 98°C
ALERT!! High temperature: 97°C
ALERT!! High temperature: 96°C
ALERT!! High temperature: 96°C
ALERT!! High temperature: 89°C
ALERT!! High temperature: 95°C
ALERT!! High temperature: 92°C
ALERT!! High temperature: 94°C
ALERT!! High temperature: 91°C
ALERT!! High temperature: 81°C
ALERT!! High temperature: 84°C
ALERT!! High temperature: 94°C
ALERT!! High temperature: 99°C
ALERT!! High temperature: 95°C
ALERT!! High temperature: 81°C
ALERT!! High temperature: 94°C
Ln: 669
3:42 PM
9/24/2022