IBM Report (Nalaiya Thiran)

IOT based Smart Farming

SUBMITTED BY

VARUN PRASAD .K **(113219041128)**

ASSIGNMENT 2:

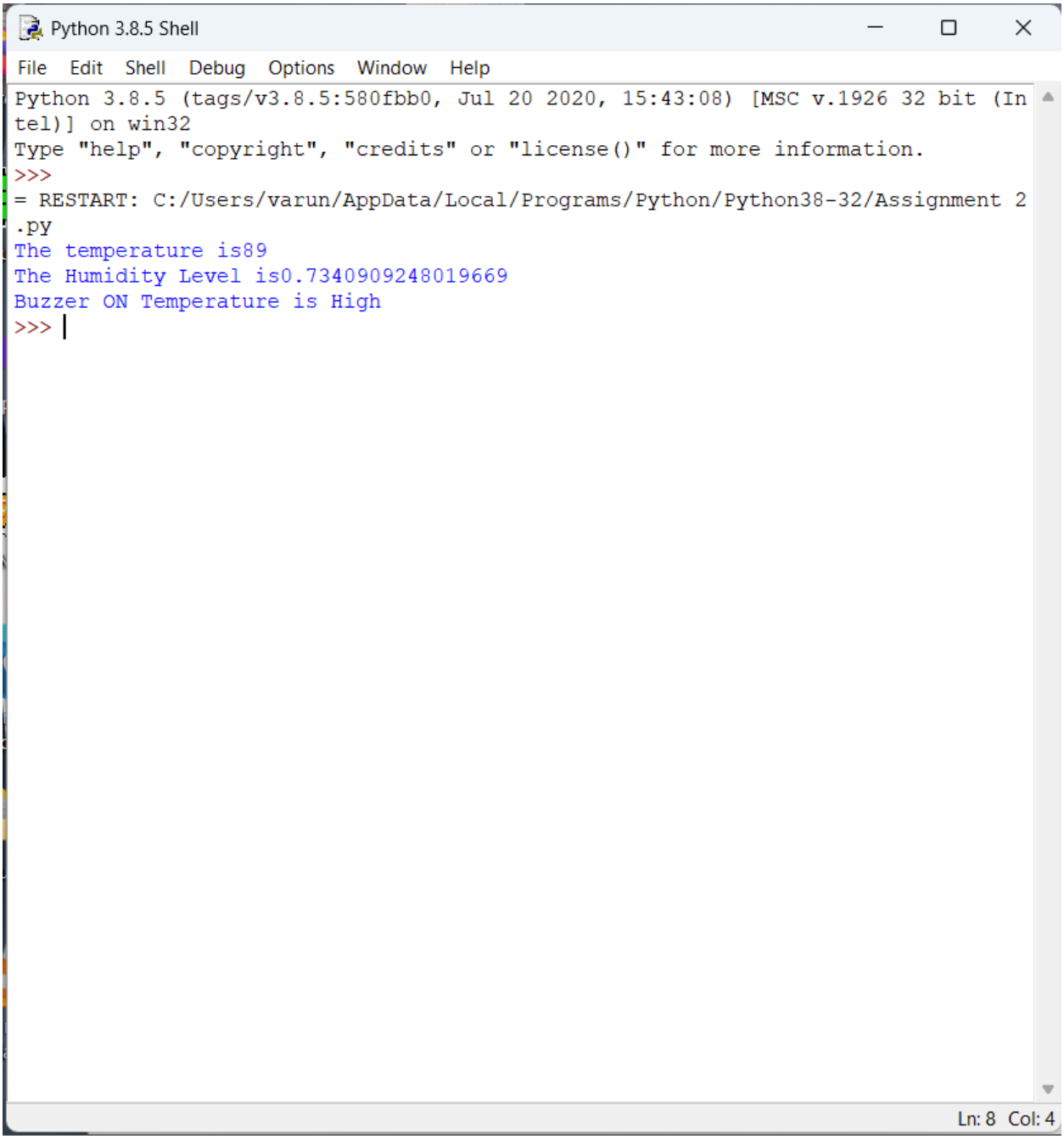
Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

CODE:

```
# Python 3 code
import math
import random
class Main :
    @staticmethod
    def main( args) :
        temperature=random.randrange(1,100)
        humidity =random.random()
        print("The temperature is" ,end ="")
        print(temperature)
        print("The Humidity Level is" ,end ="")
        print(random.random())
        if (temperature > 50) :
            print("Buzzer ON Temperature is High",end ="")

if __name__=="__main__":
    Main.main([])
```

OUTPUT:


Python 3.8.5 Shell
File Edit Shell Debug Options Window Help
Python 3.8.5 (tags/v3.8.5:580fbb0, Jul 20 2020, 15:43:08) [MSC v.1926 32 bit (Intel)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/varun/AppData/Local/Programs/Python/Python38-32/Assignment 2.py
The temperature is89
The Humidity Level is0.7340909248019669
Buzzer ON Temperature is High
>>>
Ln: 8 Col: 4