

IBM Report (Nalaiya Thiran)
IOT based Smart Farming

SUBMITTED BY

SOMANATH S

(113219041113)

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())

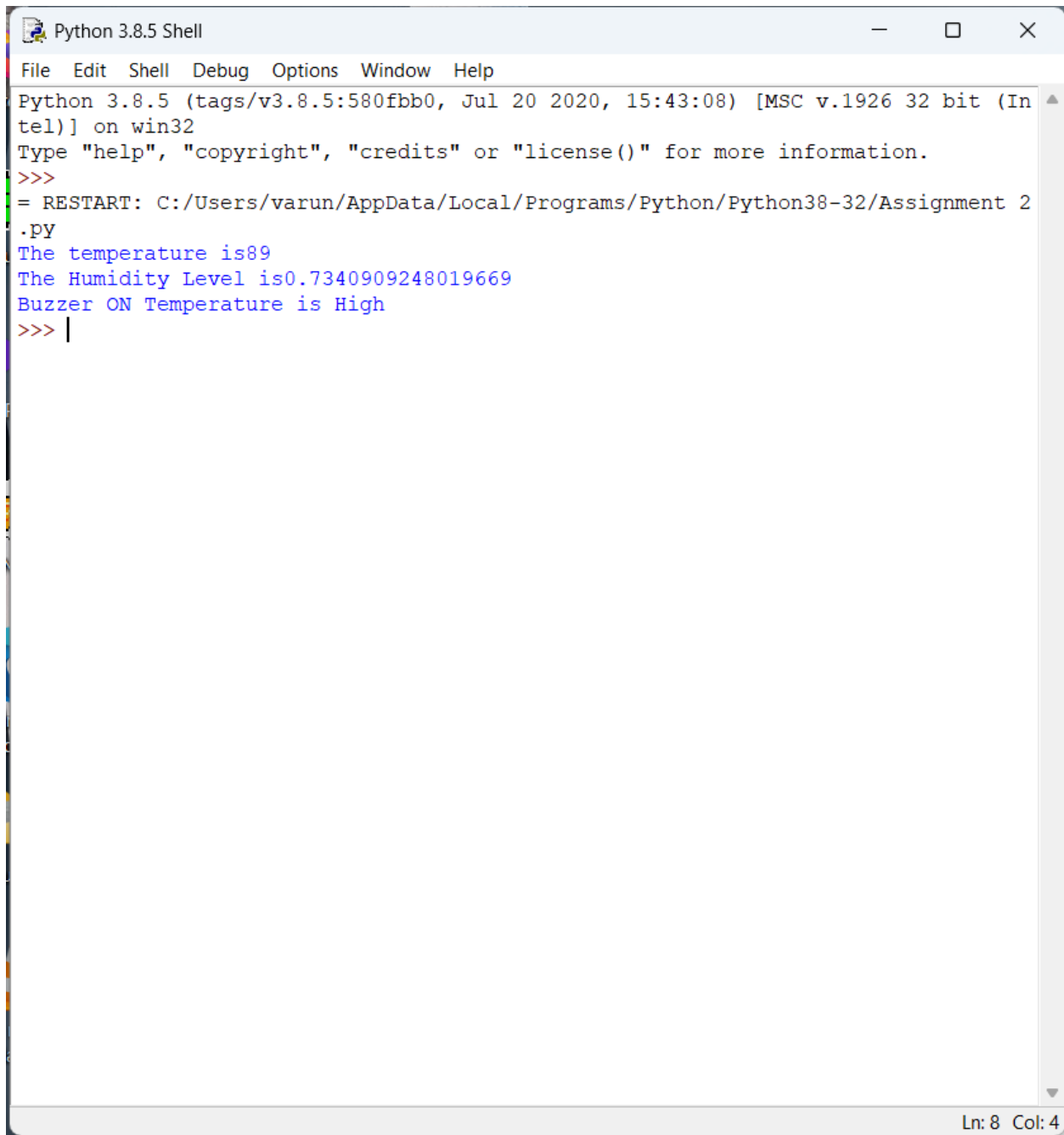
if (temperature > 50) :

print("Buzzer ON Temperature is High",end ="")

if __name__=="__main__":

Main.main([])

OUTPUT:



A screenshot of a Python 3.8.5 Shell window. The window has a title bar with the text "Python 3.8.5 Shell" and standard window controls (minimize, maximize, close). Below the title bar is a menu bar with the following items: File, Edit, Shell, Debug, Options, Window, and Help. The main text area contains the following output from a script execution:

```
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
>>> |
```

The status bar at the bottom right of the window displays "Ln: 8 Col: 4".