

IBM Report (Nalaiya Thiran)
IOT based Smart Farming

SUBMITTED BY

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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())
```

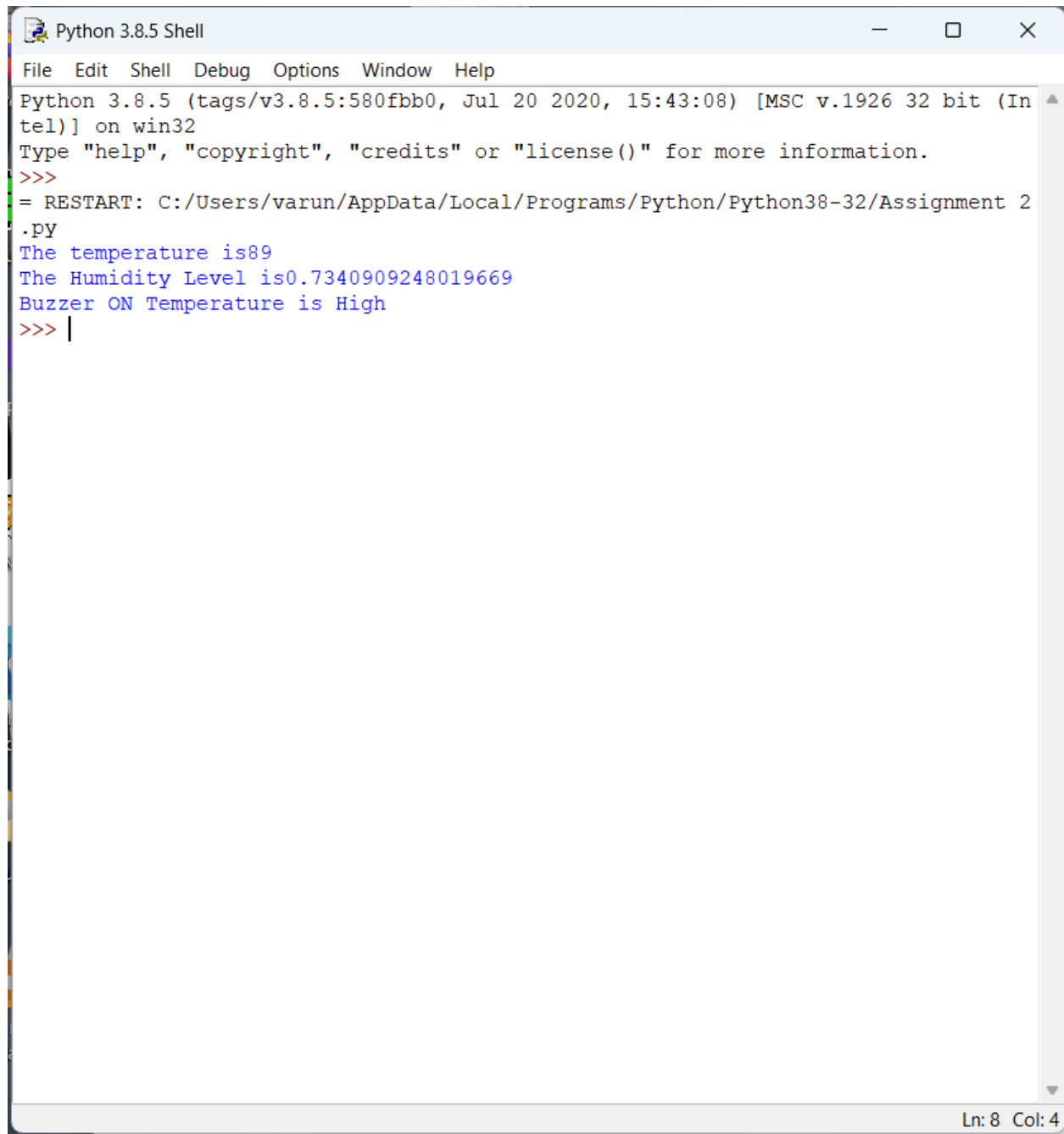
```
        if (temperature > 50) :
```

```
            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 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main text area shows the following output:

```
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 output is color-coded: the prompt '>>>' is red, the file path is green, the file extension '.py' is blue, and the program output lines are blue. A vertical cursor is visible after the last prompt. The status bar at the bottom right shows 'Ln: 8 Col: 4'.