

ASSIGNMENT 2

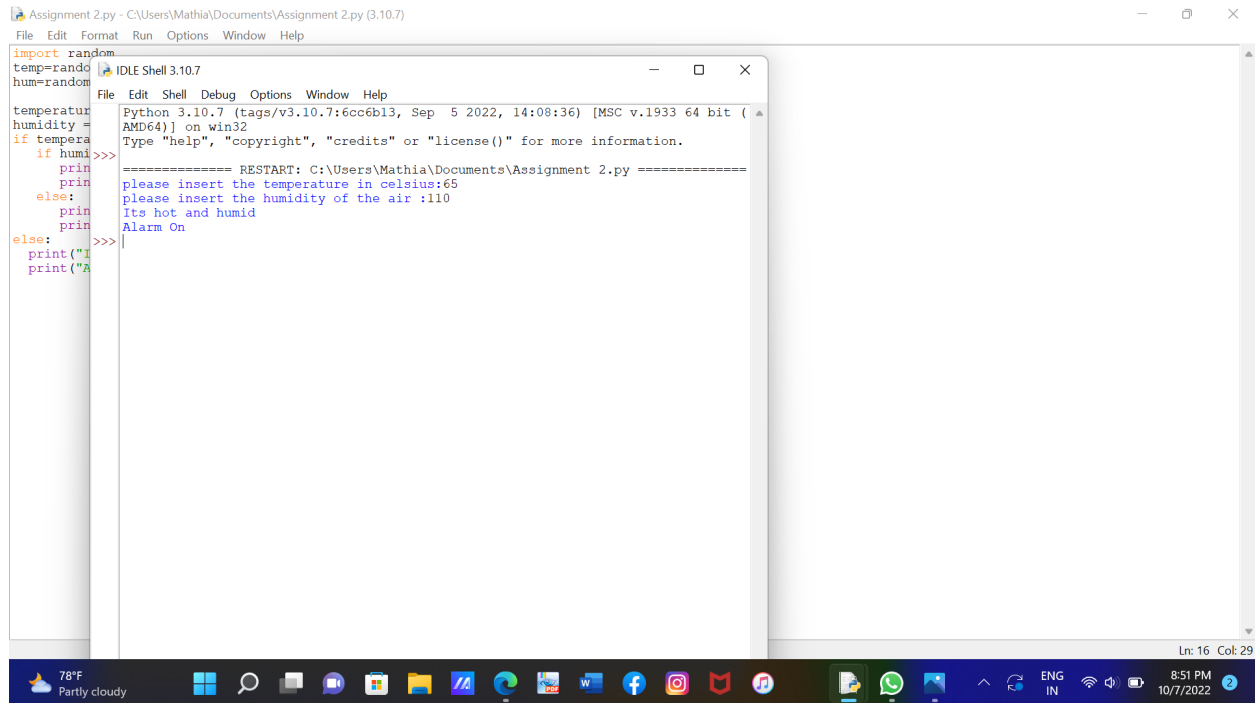
QUESTION : Build a python code.Assume u get temperature and humidity values(generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

PYTHON CODE :

```
import random
temp=random.randint(1,100)
hum=random.randint(1,100)

temperature = int(input("please insert the temperature in celsius:"))
humidity = int(input("please insert the humidity of the air :"))
if temperature > 30
    if humidity > 90: print("Its hot and humid")
        print("Alarm On")
    else:
        print("Its hot but not hamid")
        print("Alarm Off")
else:
    print("Its not hot")
    print("Alarm not detected")
```

OUTPUT :



The screenshot shows a Python IDE window titled "Assignment 2.py - C:\Users\Mathia\Documents\Assignment 2.py (3.10.7)". The code in the editor is as follows:

```
import random
temp=random
hum=random

temperatur
humidity =
if tempera
    if humi
        prin
        prin
    else:
        prin
        prin
        prin
else:
    >>>|
    print("I
    print("A
```

The output in the shell window is:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

===== RESTART: C:\Users\Mathia\Documents\Assignment 2.py =====
please insert the temperature in celsius:65
please insert the humidity of the air :110
Its hot and humid
Alarm On
>>>|
```

The taskbar at the bottom shows the system clock as 8:51 PM on 10/7/2022, and the weather as 78°F Partly cloudy.