

TEAM ID - PNT2022TMID02992

ASSIGNMENT 2

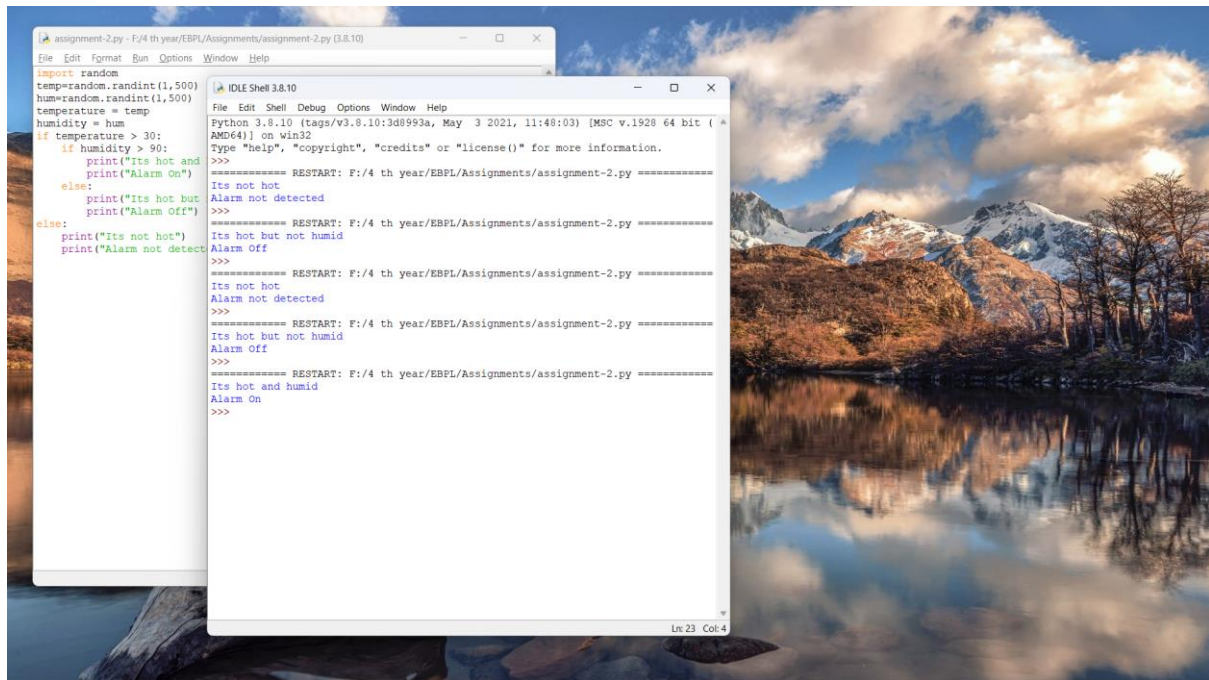
QUESTION:

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(1,500)
hum=random.randint(1,500)
temperature = temp
humidity = hum
if temperature > 30:
    if humidity > 90:
        print("Its hot and humid")
        print("Alarm On")
    else:
        print("Its hot but not humid")
        print("Alarm Off")
else:
    print("Its not hot")
    print("Alarm not detected")
```

OUTPUT:



The image shows a screenshot of a Python IDE (IDLE 3.8.10) with a background image of a lake and mountains. The IDE has two windows open: a script editor and a shell window.

The script editor window, titled "assignment-2.py", contains the following code:

```
import random
temp=random.randint(1,500)
hum=random.randint(1,500)
temperature = temp
humidity = hum
if temperature > 30:
    if humidity > 90:
        print("Its hot and
        print("Alarm On")
    else:
        print("Its hot but
        print("Alarm Off")
else:
    print("Its not hot")
    print("Alarm not detect")
```

The shell window, titled "IDLE Shell 3.8.10", shows the output of the script. It displays the Python version and architecture, followed by a restart message and the output of the script:

```
Python 3.8.10 (tags/v3.8.10:3d8993a, May 3 2021, 11:48:03) [MSC v.1928 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: F:/4 th year/EBPL/Assignments/assignment-2.py =====
>>>
Its not hot
Alarm not detected
>>>
===== RESTART: F:/4 th year/EBPL/Assignments/assignment-2.py =====
>>>
Its not hot
Alarm not detected
>>>
===== RESTART: F:/4 th year/EBPL/Assignments/assignment-2.py =====
>>>
Its hot but not humid
Alarm Off
>>>
===== RESTART: F:/4 th year/EBPL/Assignments/assignment-2.py =====
>>>
Its hot and humid
Alarm On
>>>
```

The status bar at the bottom of the shell window indicates "Ln: 23 Col: 4".