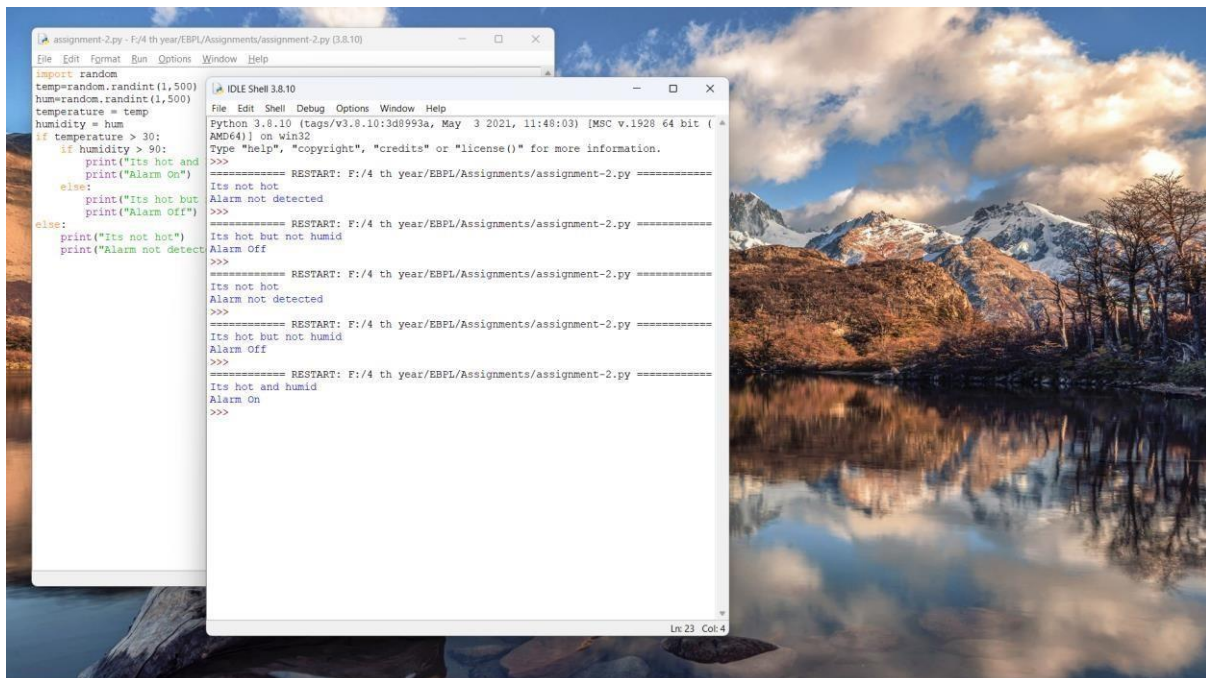## ASSIGNMENT 2

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:


```
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...
```

```
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 hot but not humid
Alarm Off
>>>
============ 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
>>>
```