Assignment -1
Python Programming

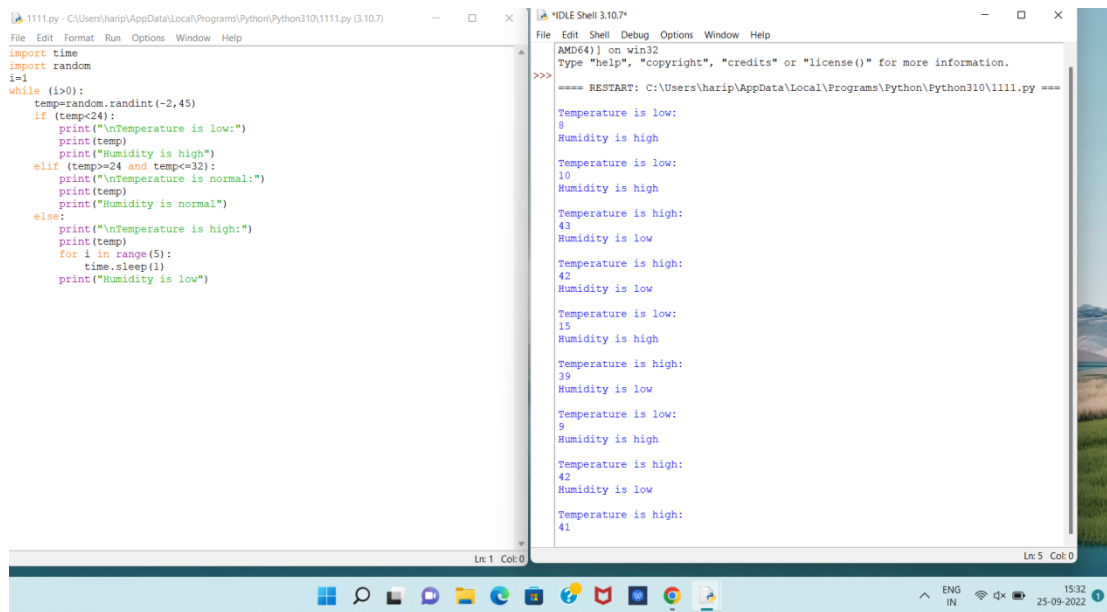| Assignment Date	25 September 2022
Student Name	B.Raghul
Student Roll Number	510119106009
Maximum Marks	2 Marks

Question-1:

Build a python code, assume you get temperature and humidity values (Generated with random functions to variable) and write a condition to continuously detect alarm in case of high temperature.

Solution:

```
import time
import random
i=1
while (i>0):
    temp=random.randint(-2,45)
    if (temp<24):
        print("\nTemperature is low:")
        print(temp)
        print("Humidity is high")
    elif (temp>=24 and temp<=32):
        print("\nTemperature is normal:")
        print(temp)
        print("Humidity is normal")
    else:
        print("\nTemperature is high:")
        print(temp)
        for i in range(5):
            time.sleep(1)
        print("Humidity is low")
```

OUTPUT:

```python
import time
import random
i=1
while (i>0):
    temp=random.randint(-2,45)
    if (temp<24):
        print("\nTemperature is low:")
        print(temp)
        print("Humidity is high")
    elif (temp>=24 and temp<=32):
        print("\nTemperature is normal:")
        print(temp)
        print("Humidity is normal")
    else:
        print("\nTemperature is high:")
        print(temp)
        for i in range(5):
            time.sleep(1)
        print("Humidity is low")
```

```
AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
==== RESTART: C:\Users\harip\AppData\Local\Programs\Python\Python310\1111.py ===

Temperature is low:
8
Humidity is high

Temperature is low:
10
Humidity is high

Temperature is high:
43
Humidity is low

Temperature is high:
42
Humidity is low

Temperature is low:
15
Humidity is high

Temperature is high:
39
Humidity is low

Temperature is low:
9
Humidity is high

Temperature is high:
42
Humidity is low

Temperature is high:
41
```