Assignment -2

Python Programming

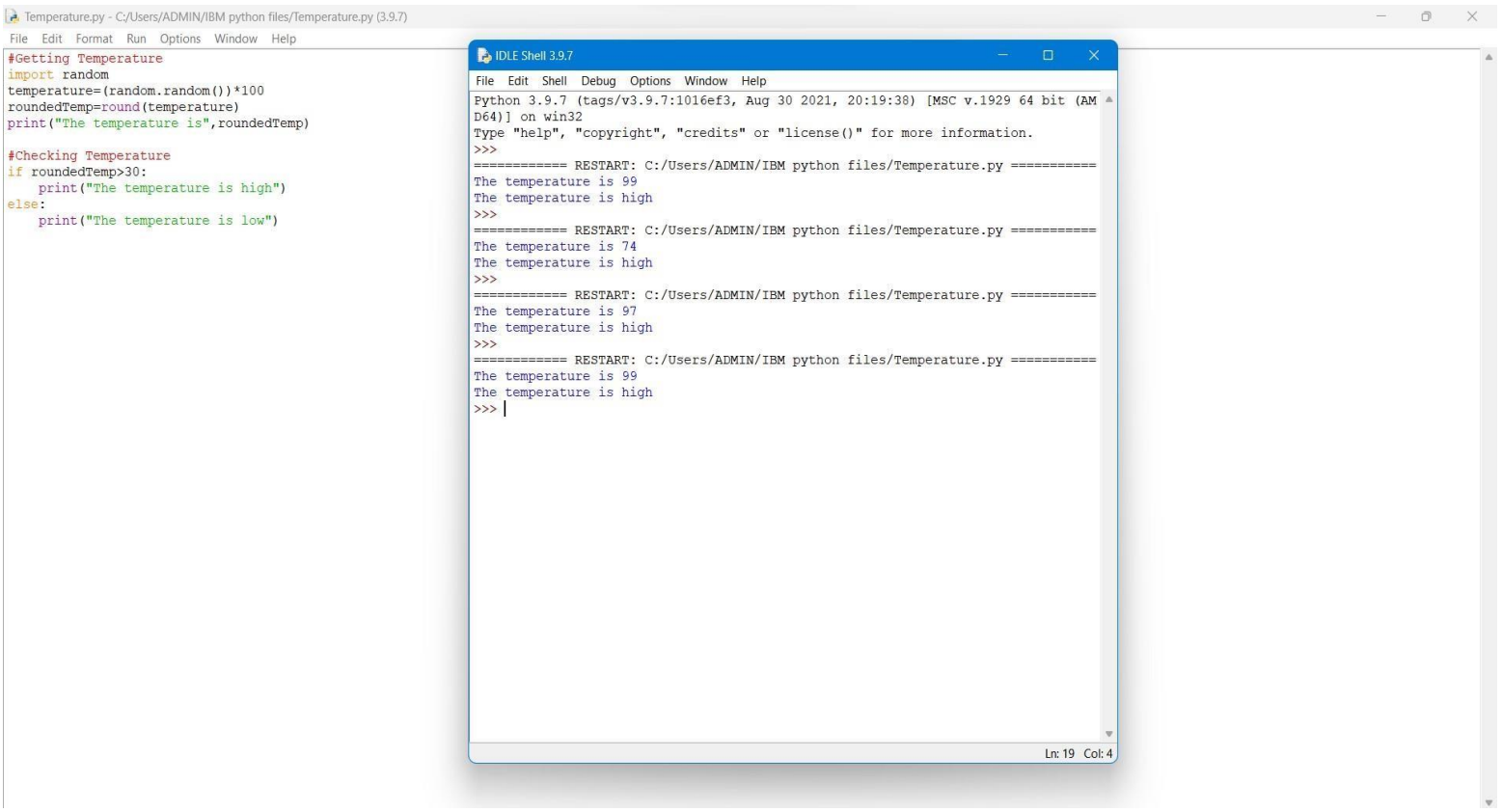
Assignment Date	14 October 2022
Student Name	Sudir C
Student Roll Number	19EC211
Maximum Marks	2 Marks

Question-1:

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

Solution :

```
#Getting Temperature

import random

temperature=(random.random())*100

roundedTemp=round(temperature)

print("The temperature is",roundedTemp)


#Checking Temperature

if roundedTemp>30:

    print("The temperature is high")

else:

    print("The temperature is low")
```


Temperature.py - C:/Users/ADMIN/IBM python files/Temperature.py (3.9.7)
File Edit Format Run Options Window Help
#Getting Temperature
import random
temperature=(random.random())*100
roundedTemp=round(temperature)
print("The temperature is",roundedTemp)
#Checking Temperature
if roundedTemp>30:
print("The temperature is high")
else:
print("The temperature is low")
IDLE Shell 3.9.7
File Edit Shell Debug Options Window Help
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
========== RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ==========
The temperature is 99
The temperature is high
>>>
========== RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ==========
The temperature is 74
The temperature is high
>>>
========== RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ==========
The temperature is 97
The temperature is high
>>>
========== RESTART: C:/Users/ADMIN/IBM python files/Temperature.py ==========
The temperature is 99
The temperature is high
>>>
Ln: 19 Col: 4