ASSIGNMENT – 2

PYTHON PROGRAMMING

Assignment Date	22 September 2022
Student Name	K SATHISHKUMAR
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Maximum Marks	2 Marks

Question - 1:

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.

Code:

```python
import random
import time
def Temp_Humidity_Monitor():
    humidity=random.randint(0,100)
    temp=random.random()*100
    temp_format="{:.2f}".format(temp)
    if(temp>45 and humidity>55 ):
        print("Humidity is ",humidity,end="%")
        print("\nTemperature is ",temp_format,end=" deg celsius")
        print("\nTemperature is high...Humans can't withstand this")
    elif((humidity>30 and humidity<55) and (temp<45 and temp>18)):
        print("\nEverything looks Fine")
```

```python
while True:

    print("*****Calculating Temperature and Humidity*****")

    Temp_Humidity_Monitor()

    time.sleep(3)

    print("------------------END------------------")

    print("\n\n")
```
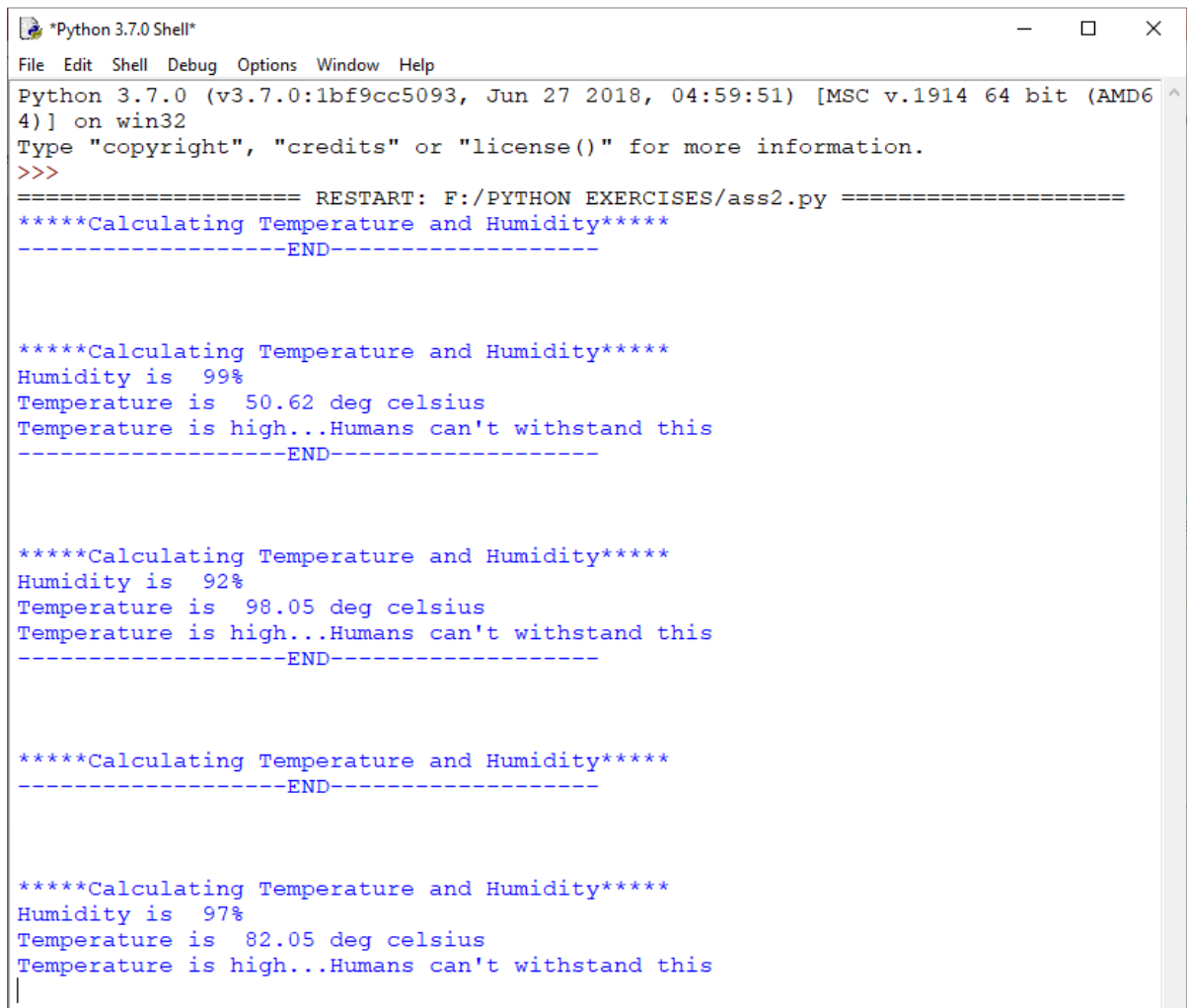
Screenshot: