

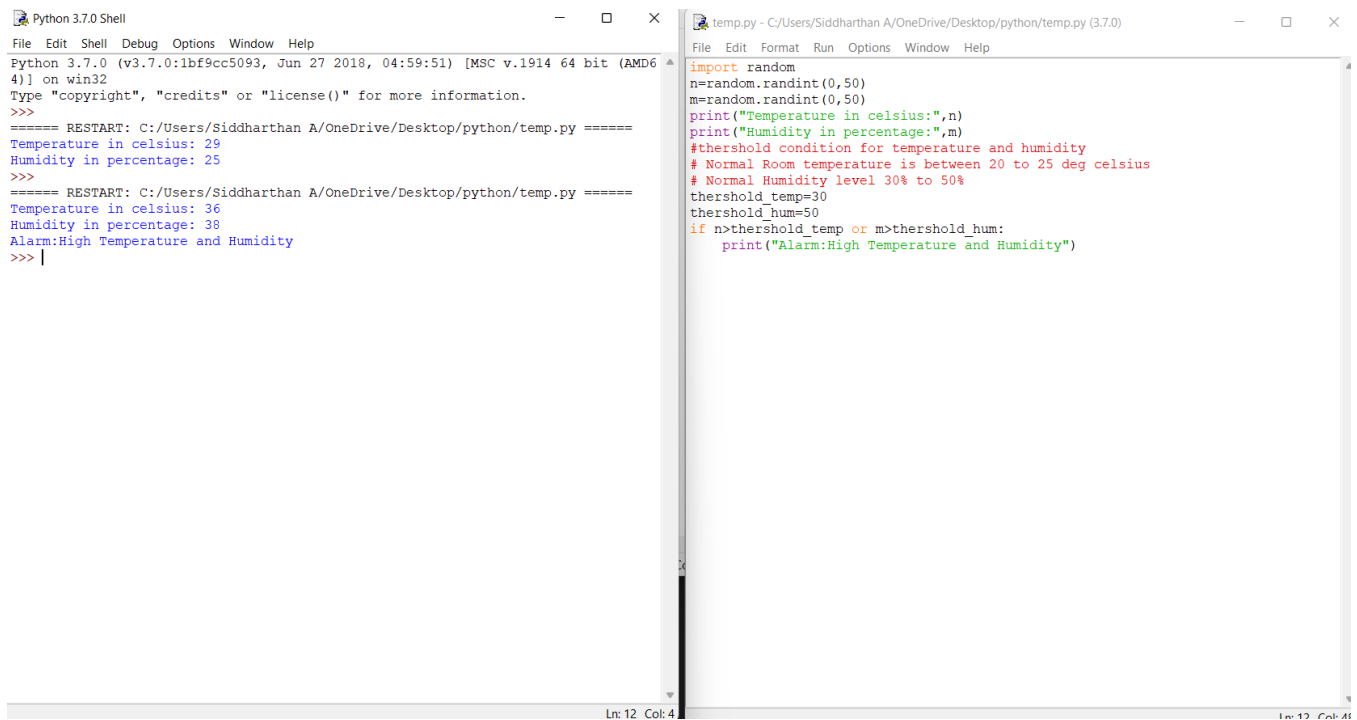
ASSIGNMENT-2

Python Programming

Assignment Date	26 September 20
Student Name	Siddharthan A
Student Roll Number	91761914037
Maximum Mark	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.



```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:/Users/Siddharthan A/OneDrive/Desktop/python/temp.py =====
Temperature in celsius: 29
Humidity in percentage: 25
>>>
===== RESTART: C:/Users/Siddharthan A/OneDrive/Desktop/python/temp.py =====
Temperature in celsius: 36
Humidity in percentage: 38
Alarm:High Temperature and Humidity
>>> |

temp.py - C:/Users/Siddharthan A/OneDrive/Desktop/python/temp.py (3.7.0)
File Edit Format Run Options Window Help
import random
n=random.randint(0,50)
m=random.randint(0,50)
print("Temperature in celsius:",n)
print("Humidity in percentage:",m)
#threshold condition for temperature and humidity
# Normal Room temperature is between 20 to 25 deg celsius
# Normal Humidity level 30% to 50%
threshold_temp=30
threshold_hum=50
if n>threshold_temp or m>threshold_hum:
    print("Alarm:High Temperature and Humidity")
```