

Assignment -2

Assignment Date	20 September 2022
Student Name	SANDHIYA K
Student Roll Number	820419106048
Maximum Marks	2 Marks

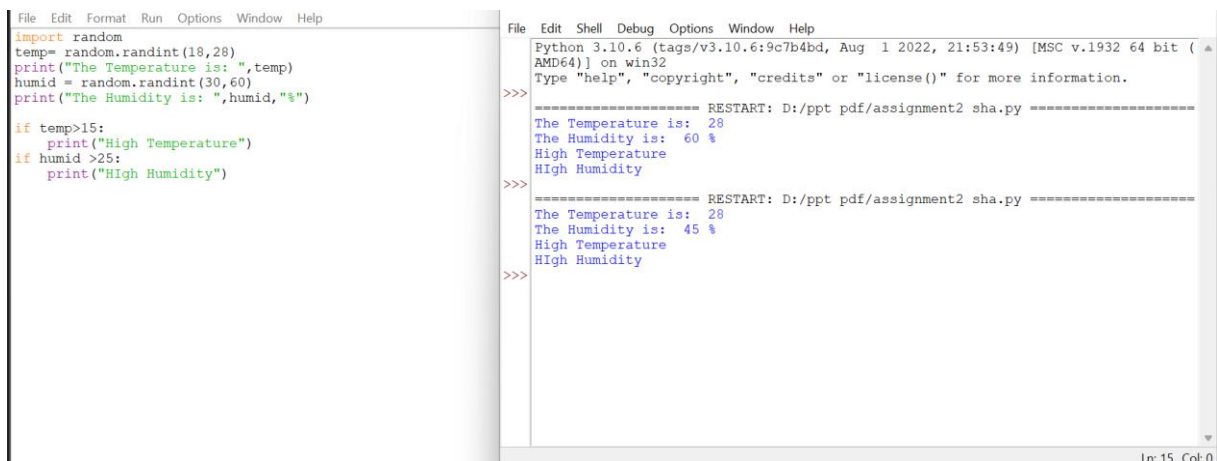
Question-1:

Build a python code, Assume you get temperature and humidity value (generated with random function to a variable) and write a condition to continuously detect alarm in case of High Temperature.

Solution:

```
import random
temp= random.randint(18,28)
print("The Temperature is: ",temp)
humid = random.randint(30,60)
print("The Humidity is: ",humid,"%")

if temp>15:
    print("High Temperature")
if humid >25:
    print("High Humidity")
```



The screenshot displays a Python IDE with two windows. The left window shows the source code for a script that generates random temperature and humidity values and checks for high conditions. The right window shows the output of the script, which includes the generated values and the corresponding 'High Temperature' and 'High Humidity' alerts. The output is repeated twice, indicating the script was run multiple times.

```
File Edit Format Run Options Window Help
import random
temp= random.randint(18,28)
print("The Temperature is: ",temp)
humid = random.randint(30,60)
print("The Humidity is: ",humid,"%")

if temp>15:
    print("High Temperature")
if humid >25:
    print("High Humidity")

File Edit Shell Debug Options Window Help
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: D:/ppt pdf/assignment2 sha.py =====
The Temperature is: 28
The Humidity is: 60 %
High Temperature
High Humidity
>>>
===== RESTART: D:/ppt pdf/assignment2 sha.py =====
The Temperature is: 28
The Humidity is: 45 %
High Temperature
High Humidity
>>>
```

Ln: 15 Col: 0