

Assignment -2

Assignment Date	20 September 2022
Student Name	SRI SHAKTHI R
Student Roll Number	820419106058
Maximum Marks	2 Marks

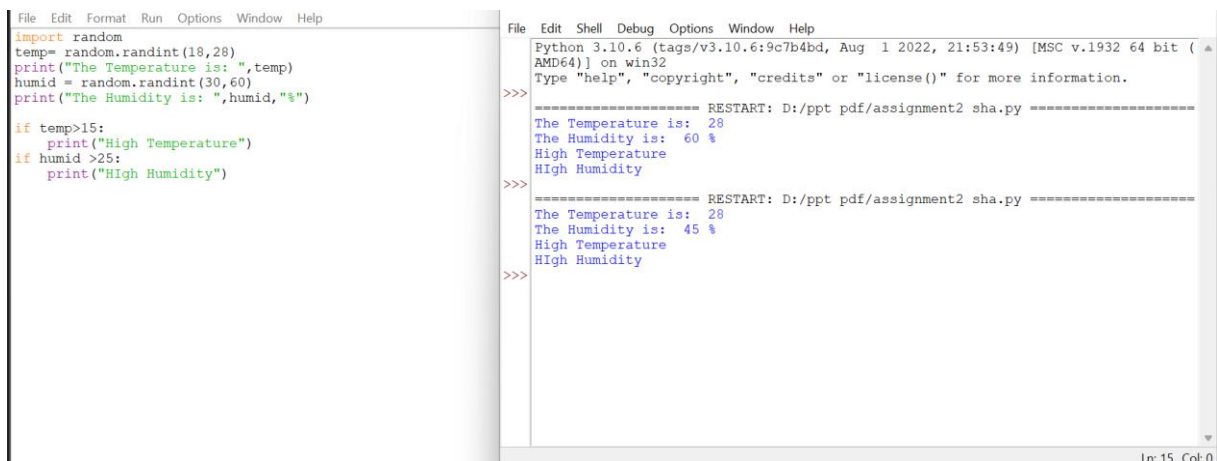
Question-1:

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 named 'sha.py'. The code imports the 'random' module, generates random temperature and humidity values, and prints them. It also includes conditional statements to check for high temperature and humidity. The right window shows the output of the script, which has been executed twice. Each execution prints the generated temperature and humidity values and then checks for high temperature and humidity conditions.

```
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