

**Assignment -2**  
Python Programming

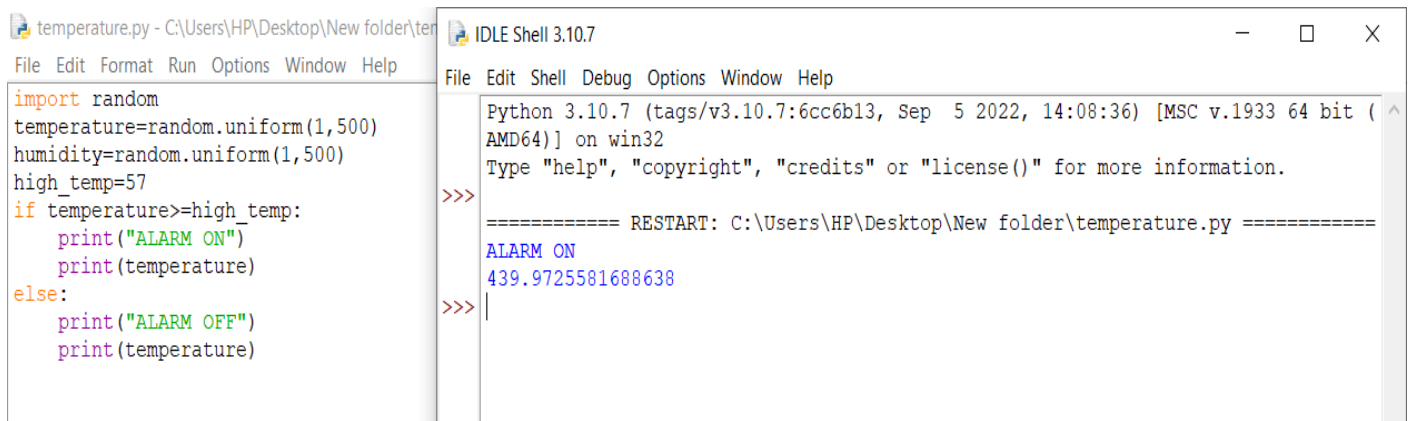
Assignment Date	28 September 2022
Student Name	GODSY D
Student Roll Number	962819106016
Maximum Marks	2 Marks

**Question-1:**

Build a python code, assume you 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.

Solution:

```
import random
temperature=random.uniform(1,500)
humidity=random.uniform(1,500)
high_temp=57
if temperature>=high_temp:
    print("ALARM ON")
    print(temperature)
else:
    print("ALARM OFF")
    print(temperature)
```



The screenshot displays a Python IDE with two windows. The left window, titled 'temperature.py', contains the following code:

```
import random
temperature=random.uniform(1,500)
humidity=random.uniform(1,500)
high_temp=57
if temperature>=high_temp:
    print("ALARM ON")
    print(temperature)
else:
    print("ALARM OFF")
    print(temperature)
```

The right window, titled 'IDLE Shell 3.10.7', shows the output of the script. It displays the Python version and architecture, followed by a restart message and the execution results:

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\HP\Desktop\New folder\temperature.py =====
ALARM ON
439.9725581688638
>>> |
```