

## Assignment -2

### Python Programming

Assignment Date	26 September 2022
Student Name	Ms. Hemaranjani
Student Roll Number	510119106003
Maximum Marks	2 Marks

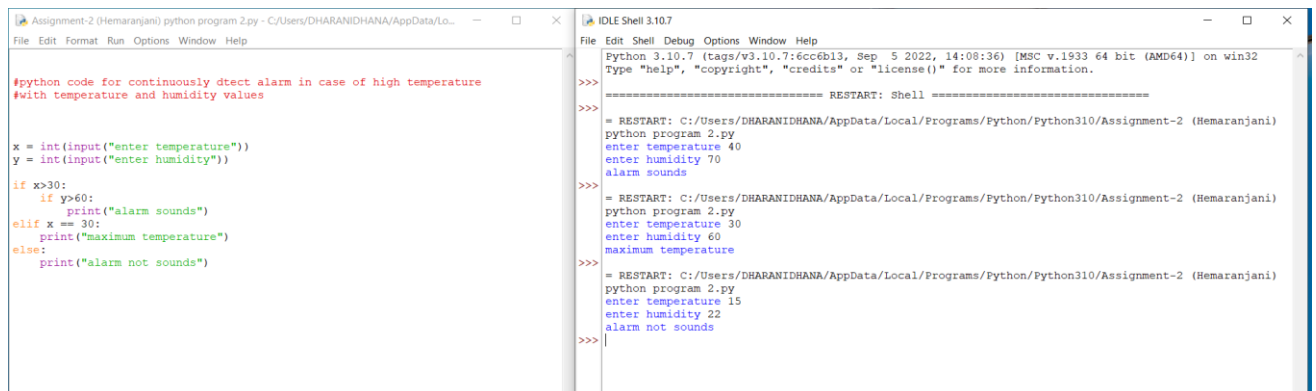
#### Question:

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:

```
x = int(input("enter temperature"))
y = int(input("enter humidity"))
if x>30:
if y>60:
    print("alarm sounds")
elif x == 30:
    print("maximum temperature")
else:
    print("alarm not sounds")
```

#### Output:



The screenshot displays a Python IDE with two windows. The left window, titled 'Assignment-2 (Hemaranjani) python program 2.py', contains the following code:

```
#python code for continuously detect alarm in case of high temperature
#with temperature and humidity values

x = int(input("enter temperature"))
y = int(input("enter humidity"))

if x>30:
    if y>60:
        print("alarm sounds")
elif x == 30:
    print("maximum temperature")
else:
    print("alarm not sounds")
```

The right window, titled 'IDLE Shell 3.10.7', shows the execution output:

```
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: Shell =====
>>>
= RESTART: C:/Users/DHARANIDHANA/AppData/Local/Programs/Python/Python310/Assignment-2 (Hemaranjani)
python program 2.py
enter temperature 40
enter humidity 70
alarm sounds
>>>
= RESTART: C:/Users/DHARANIDHANA/AppData/Local/Programs/Python/Python310/Assignment-2 (Hemaranjani)
python program 2.py
enter temperature 30
enter humidity 60
maximum temperature
>>>
= RESTART: C:/Users/DHARANIDHANA/AppData/Local/Programs/Python/Python310/Assignment-2 (Hemaranjani)
python program 2.py
enter temperature 15
enter humidity 22
alarm not sounds
>>>
```