

## Assignment -2

### Python Programming

Assignment Date	26 September 2022
Student Name	M.Yogasri
Student Roll Number	510119106012
Maximum Marks	2 Marks

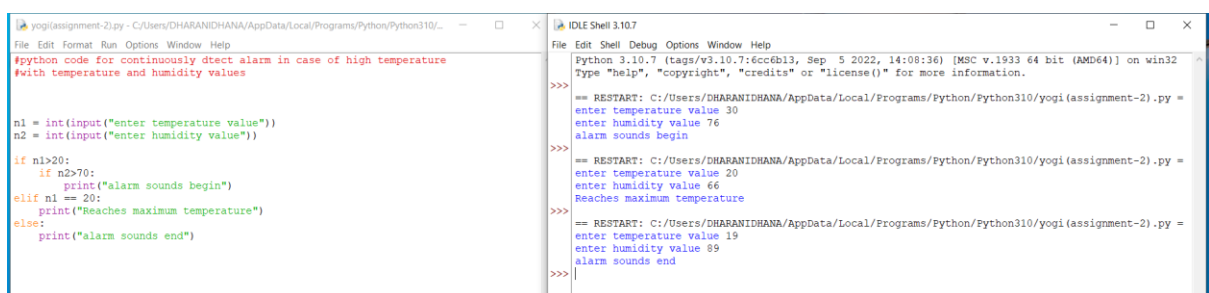
#### Question:

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:

```
N1 = int(input("enter temperature value"))
N2= int(input("enter humidity value"))
if N1>20:
if N2>70:
    print("alarm sounds begin ")
elif N1 == 20:
    print(" reaches maximum temperature")
else:
    print("alarm sounds end ")
```

#### Output:



The screenshot displays a Python IDE with two windows. The left window shows the source code for 'yogi (assignment-2).py'. The code includes comments and logic to check for high temperature and humidity. The right window shows the IDLE Shell 3.10.7, which displays the execution results of the code, including prompts for input and the resulting output messages.

```
File Edit Format Run Options Window Help
#python code for continuously dtect alarm in case of high temperature
#with temperature and humidity values

n1 = int(input("enter temperature value"))
n2 = int(input("enter humidity value"))

if n1>20:
    if n2>70:
        print("alarm sounds begin")
elif n1 == 20:
    print("Reaches maximum temperature")
else:
    print("alarm sounds end")
```

```
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/DHARANIDHANA/AppData/Local/Programs/Python/Python310/yogi (assignment-2).py =
enter temperature value 30
enter humidity value 76
alarm sounds begin
>>>
== RESTART: C:/Users/DHARANIDHANA/AppData/Local/Programs/Python/Python310/yogi (assignment-2).py =
enter temperature value 20
enter humidity value 66
Reaches maximum temperature
>>>
== RESTART: C:/Users/DHARANIDHANA/AppData/Local/Programs/Python/Python310/yogi (assignment-2).py =
enter temperature value 19
enter humidity value 89
alarm sounds end
>>>
```