**Assignment -2**
**PYTHON PROGRAMMING**

| Assignment Date | 26 september2022 |
|---|---|
| Student Name | Keerthana. K |
| Student Roll Number | 510119106006 |
| Maximum Marks | 2 Marks |

**QUESTION:**

Build a python code,Assume u 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.

**PROGRAM:**

```python
a=int(input("Enter the temperature"))
b=int(input("Enter the humidity"))
 if  a>50:
    if  b>60:
       print("Alarm is detected")
    else:
       print("High temperature is detected")
elif a == 50:
       print("temperature maximum threshold reached")
else:
       print("All Good")
```

**OUTPUT:**

```
IDLE Shell 3.10.7

File  Edit  Shell  Debug  Options  Window  Help
    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: D:/python/TEMP AND HUMIDITITY ===================
    Enter the temperature 40
    Enter the humidity 20
    All Good
>>>
    =================== RESTART: D:/python/TEMP AND HUMIDITITY ===================
    Enter the temperature 80
    Enter the humidity 40
    High temperature is detected
>>>
    =================== RESTART: D:/python/TEMP AND HUMIDITITY ===================
    Enter the temperature 50
    Enter the humidity 50
    temperature maximum threshold reached
>>>
    =================== RESTART: D:/python/TEMP AND HUMIDITITY ===================
    Enter the temperature 70
    Enter the humidity 70
    Alarm is detected
>>>
```