**Assignment -2**

Python Programming

| Assignment Date | 30 September 2022 |
|---|---|
| Student Name | NIVEDHA.J |
| Student Roll Number | 211519104104 |
| Maximum Marks | 2 Marks |

**Question-1:**

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

**Solution:**

```python
import random
while(True):
    temp=random.randint(1,100)
    humidity=random.randint(1,100)
    if(temp>35 and humidity>60):
        print("Very high temperature and humidity:",temp,humidity, "% Alarm is on")
    elif(temp<35 and humidity<60):
        print("Normal temperature and humidity:", temp,humidity, "% Alarm is off")
        break
    else:
        print("")
```

## OUTPUT:

```
IDLE Shell 3.10.5
File   Edit   Shell   Debug   Options   Window   Help
    Python 3.10.5 (tags/v3.10.5:f377153, Jun  6 2022, 16:14:13) [MSC v.1929 64 bit (AMD64)] on win32
    Type "help", "copyright", "credits" or "license()" for more information.
>>>
    ======================================================= RESTART: C:/Users/ELCOT/Downloads/assign2.py =========
    Very high temperature and humidity: 56 80 % Alarm is on




    Very high temperature and humidity: 72 77 % Alarm is on

    Very high temperature and humidity: 49 100 % Alarm is on
    Very high temperature and humidity: 57 72 % Alarm is on

    Very high temperature and humidity: 42 69 % Alarm is on
    Normal temperature and humidity: 17 2 % Alarm is off
>>>
```