

ASSIGNMENT-2

REG NO:	731219106011
TEAM ID:	PNT2022TMID44437
PROJECT NAME:	Smart Farmer-IOT Enabled Smart Farming Application

ASSIGNMENT 2:

TITLE: Assignment on Temperature and Humidity sensing and alarm automation using PYTHON.

PROGRAM:

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99)
```

```
    if(a>45 and b>70):
```

```
        print("High temperature and humidity of:",a,b,"%","alarm is on")
```

```
    elif(a<45 and b<80):
```

```
        print("Normal temperature and humidity of:",a,b,"%","alarm is off")
```

break

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: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py =====
Traceback (most recent call last):
  File "C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py", line 8, in <module>
    print("Normal temperature and humidity of:",a,b,"%",alarm is off)
NameError: name 'alarm' is not defined
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py =====
Traceback (most recent call last):
  File "C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py", line 8, in <module>
    print("Normal temperature and humidity of:",a,b,"%",alarm is off)
NameError: name 'alarm' is not defined
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py =====
High temperature and humidity of: 89 95 % alarm is on
High temperature and humidity of: 59 83 % alarm is on
Traceback (most recent call last):
  File "C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py", line 8, in <module>
    print("Normal temperature and humidity of:",a,b,"%",alarm is off)
NameError: name 'alarm' is not defined
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py =====
High temperature and humidity of: 51 80 % alarm is on
High temperature and humidity of: 58 73 % alarm is on
High temperature and humidity of: 74 86 % alarm is on
High temperature and humidity of: 59 80 % alarm is on
High temperature and humidity of: 71 98 % alarm is on
High temperature and humidity of: 83 72 % alarm is on
Traceback (most recent call last):
  File "C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py", line 8, in <module>
    print("Normal temperature and humidity of:",a,b,"%",alarm is off)
NameError: name 'alarm' is not defined
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/IBM ASSIGNMENT-2.py =====
High temperature and humidity of: 59 98 % alarm is on
High temperature and humidity of: 78 78 % alarm is on
Normal temperature and humidity of: 35 27 % alarm is off
>>>
```