

## ASSIGNMENT - 2

TEAM ID	PNT2022TMID44430
REISTER NUMBER	731219106008
PROJECT NAME	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE .
ASSIGNMENT	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 .

### PROGRAM :

```
mathan assignment2.py - C:/Users/itzma/AppData/Local/Programs/Python/Python310/mathan assignment2.py (3.10.7)
File Edit Format Run Options Window Help
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temprature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b>60):
        print("Normal temprature and humidity of:",a,b,"%","alarm is off")
        break
Ln: 14 Col: 47
```

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>60):

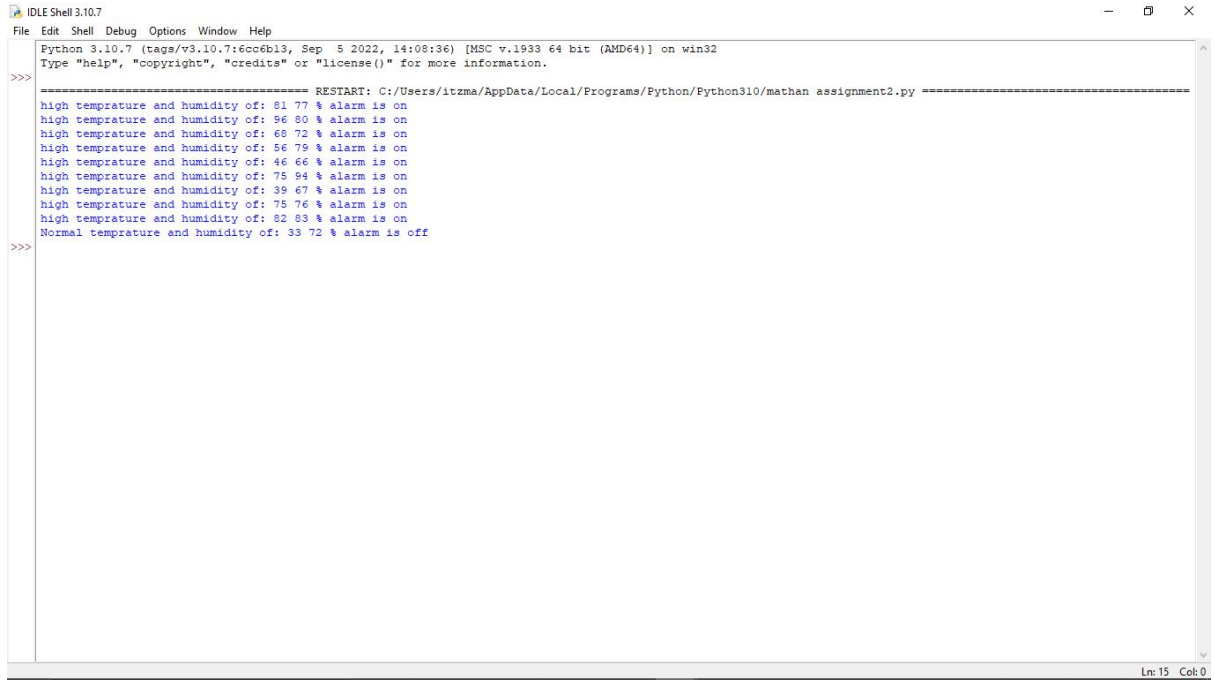
        print("high temprature and humidity of:",a,b,"%","alarm is on")

    elif(a<35 and b>60):

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

    break
```

**output :**



The screenshot shows an IDLE Shell window titled "IDLE Shell 3.10.7". The menu bar includes "File", "Edit", "Shell", "Debug", "Options", "Window", and "Help". The status bar at the bottom indicates "Ln: 15 Col: 0". The main text area displays the following 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/itzma/AppData/Local/Programs/Python/Python310/mathan assignment2.py =====
high temprature and humidity of: 81.77 % alarm is on
high temprature and humidity of: 96.80 % alarm is on
high temprature and humidity of: 68.72 % alarm is on
high temprature and humidity of: 56.79 % alarm is on
high temprature and humidity of: 46.66 % alarm is on
high temprature and humidity of: 75.94 % alarm is on
high temprature and humidity of: 39.67 % alarm is on
high temprature and humidity of: 75.76 % alarm is on
high temprature and humidity of: 82.83 % alarm is on
Normal temprature and humidity of: 33.72 % alarm is off
>>>
```