

ASSIGNMENT -2

Team ID	PNT2022TMID44430
REG. NO	731219106009
Project Name	IOT BASED SMART CROP PROTECTION SYSTEM FOR AGRICULTURE .
Assignment -2	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:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>60):

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

    elif(a<35 and b<60):

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

    break
```

```
import random
while(True):
    a=random.randint(10,99)
    b=random.randint(10,99)
    if(a>35 and b>60):
        print("high temperature and humidity of:",a,b,"%","alarm is on")
    elif(a<35 and b<60):
        print("normal temperature and humidity of:",a,b,"%","alarm is off")
        break
```

OUTPUT :

```
Python Shell
File Edit Shell Debug Options Windows Help
Python 3.0 (r30:67507, Dec 3 2008, 20:14:27) [MSC v.1500 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.

*****
Personal firewall software may warn about the connection IDLE
makes to its subprocess using this computer's internal loopback
interface. This connection is not visible on any external
interface and no data is sent to or received from the Internet.
*****

IDLE 3.0
>>> ===== RESTART =====
>>>
Traceback (most recent call last):
  File "C:\Users\ELCOT\Desktop\python file\assignment 2", line 2, in <module>
    while(true):
NameError: name 'true' is not defined
>>> ===== RESTART =====
>>>
Traceback (most recent call last):
  File "C:\Users\ELCOT\Desktop\python file\assignment 2", line 2, in <module>
    while(true):
NameError: name 'true' is not defined
>>> ===== RESTART =====
>>>
high temperature and humidity of: 45 78 % alarm is on
high temperature and humidity of: 70 78 % alarm is on
normal temperature and humidity of: 34 42 % alarm is off
>>>
```