

ASSIGNMENT

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TEAM ID	PNT2022TMID44437
PROJECT NAME	Smartfarmer-IOT Enabled smart Farming Application

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.

CODE:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>40):

        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
```

```
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 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/mj.py =====
Traceback (most recent call last):
  File "C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/mj.py", line 1, in <module>
    import random
NameError: name 'import random' is not defined
>>>
===== RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/mj.py =====
high temperature and humidity of: 62 90 % alarm is on
high temperature and humidity of: 82 74 % alarm is on
Normal temperature and humidity of: 16 43 % alarm is off
>>>
```