

## ASSIGNMENT - 2

TEAM ID	PNT2022TMID44431
REISTER NUMBER	731219106021
PROJECT NAME	GAS LEAKAGE MONITORING AND ALERTING SYSTEM
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 :

```
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
```

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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 :**

```
Python Shell 3.10.7
File Edit Shell Debug Options Window Help
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
>>>
```