

# ASSIGNMENT NO -2

**Project Name :** Gas leakage Monitoring and alerting system

**Batch Number :**

**Assignment Topic :** Assignment on temperature and humidity sensing and alarm automation using python

## **Code:**

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>40 and b>70):

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

    elif(a<30 and b<55):

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

    break
```

## **TEAM MEMBERS**

Team lead : S. Rubashree

Member-1 : R. Ramanika

Member -3 : V. Vidhya

Member-4 : R. Keerthiga

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Language Python 3

main.py

```
1 import random
2
3 while(True):
4
5     a=random.randint(10,99)
6
7     b=random.randint(10,99)
8
9     if(a>40 and b>70):
10
11         print("high temprature and humidity of:",a,b,"%","alarm is on")
12
13     elif(a<30 and b<55):
14
15         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
16
17     break
```

Input

```
high temprature and humidity of: 65 97 % alarm is on
Normal temprature and humidity of: 11 33 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```

Type here to search

36°C Light rain 18:23 24-09-2022