

## ASSIGNMENT 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 temperature and humidity of :", a,b,"%","alarm is on")
```

```
    Elif(a<30 and b<55):
```

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

```
    break
```

### TEAM MEMBERS

TEAM LEADER: I.Rahul

MEMBER-1 : C.Vijayaraj

MEMBER-2 : R.Vishvanth

MEMBER-3 : M.Saravanan

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Online C Compiler - online editor

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Language: Python 3

```
1: import random
2:
3: while(True):
4:
5:     a=random.randint(10,70)
6:
7:     b=random.randint(10,70)
8:
9:     if(a>40 and b>70):
10:
11:         print("high temprature and humidity of: ",a,b,"X","alarm is on")
12:
13:     elif(a<30 and b<35):
14:
15:         print("Normal temprature and humidity of: ",a,b,"X","alarm is off")
16:
17:     break
```

Input

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

Program finished with exit code 0  
press ENTER to exit console

Type here to search

30°C light rain 18:21 24-06-2022

