

REGNO	731219106010
TEAM ID	PNT2022TMID44431
PROJECT NAME	GAS LEAKAGE MONITORING AND ALARTING SYSTEM

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 .

Input:



```

assignment-2.py - C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/assignment-2.py (3.10.7)
File Edit Format Run Options Window Help
import random
while(True):
    c=random.randint(10,99)
    d=random.randint(10,99)
    if(c>35 and d>60):
        print("high temprature and humidity of:",c,d,"%", "alarm is on")
    elif(c<35 and d>60):
        print("Normal temprature and humidity of:",c,d,"%", "alarm is off")
        break

```

Coding:

```
import random
```

```
while(True):
```

```
    c=random.randint(10,99)
```

```
    d=random.randint(10,99)
```

```
if(c>35 and d>60):
```

```
    print("high temprature and humidity of:",c,d,"%","alarm is on")
```

```
elif(c<35 and d>60):
```

```
    print("Normal temprature and humidity of:",c,d,"%","alarm is off")
```

```
break
```

Output:



The screenshot shows the IDLE Shell 3.10.7 window. The menu bar includes File, Edit, Shell, Debug, Options, Window, and Help. The status bar at the top indicates 'Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32'. The main text area shows the following output:

```
>>>
= RESTART: C:/Users/ELCOT/AppData/Local/Programs/Python/Python310/assignment-2.py
high temprature and humidity of: 59 63 % alarm is on
Normal temprature and humidity of: 24 74 % alarm is off
>>>
>>>
>>> |
```