

## IOT Assignment 2

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

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### Code:-

```
import random
```

```
while(True):
```

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

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

```
    if(a>35 and b>60):
```

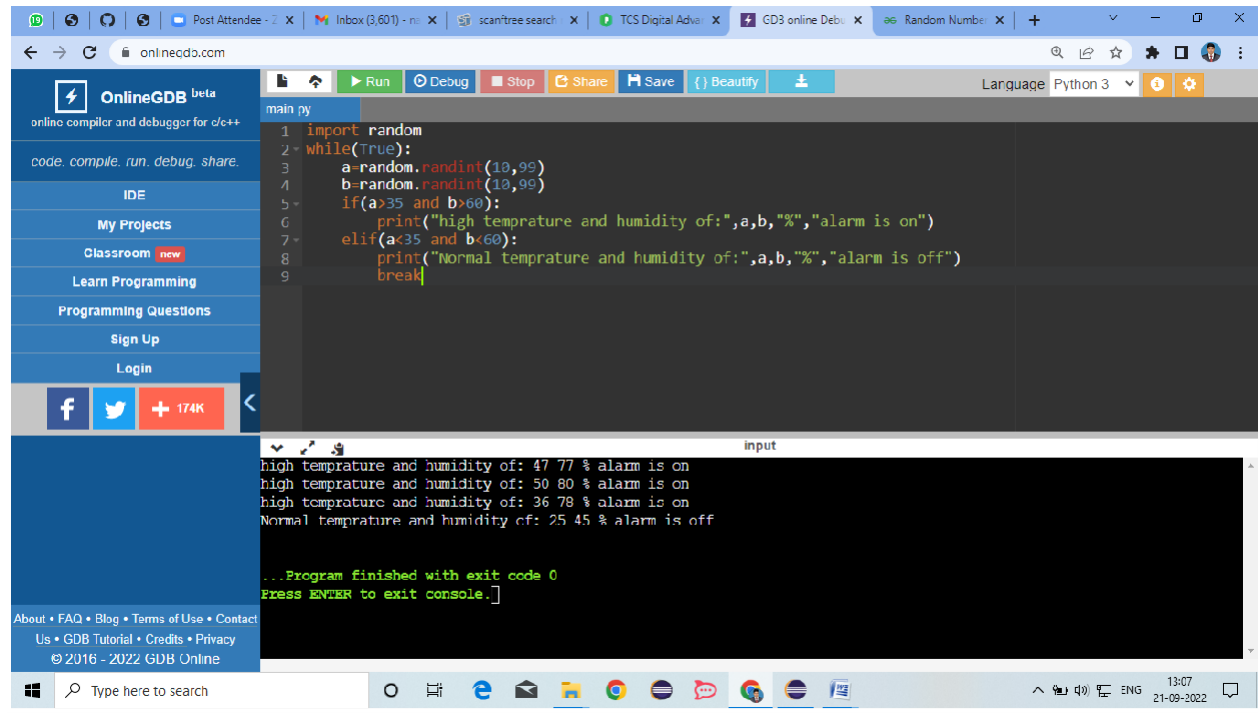
```
        print("high temprature and humidity of:",a,b,"%","alarm is on")
```

```
    elif(a<35 and b<60):
```

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

```
    break
```

## Output:-



The screenshot shows the OnlineGDB interface with a Python script being executed. The script uses the random module to generate two values, a and b, and prints a message based on their values. The output in the console shows four iterations of the program, with the alarm being on for the first three and off for the last one.

```
1 import random
2 while(True):
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>60):
6         print("high temprature and humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
9     break
```

high temprature and humidity of: 47 77 % alarm is on  
high temprature and humidity of: 50 80 % alarm is on  
high temprature and humidity of: 36 78 % alarm is on  
Normal temprature and humidity of: 25 45 % alarm is off

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

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