

**VSB Engineering College, Karur-639111**

**Department of Electronics and Communication Engineering**

**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):
```

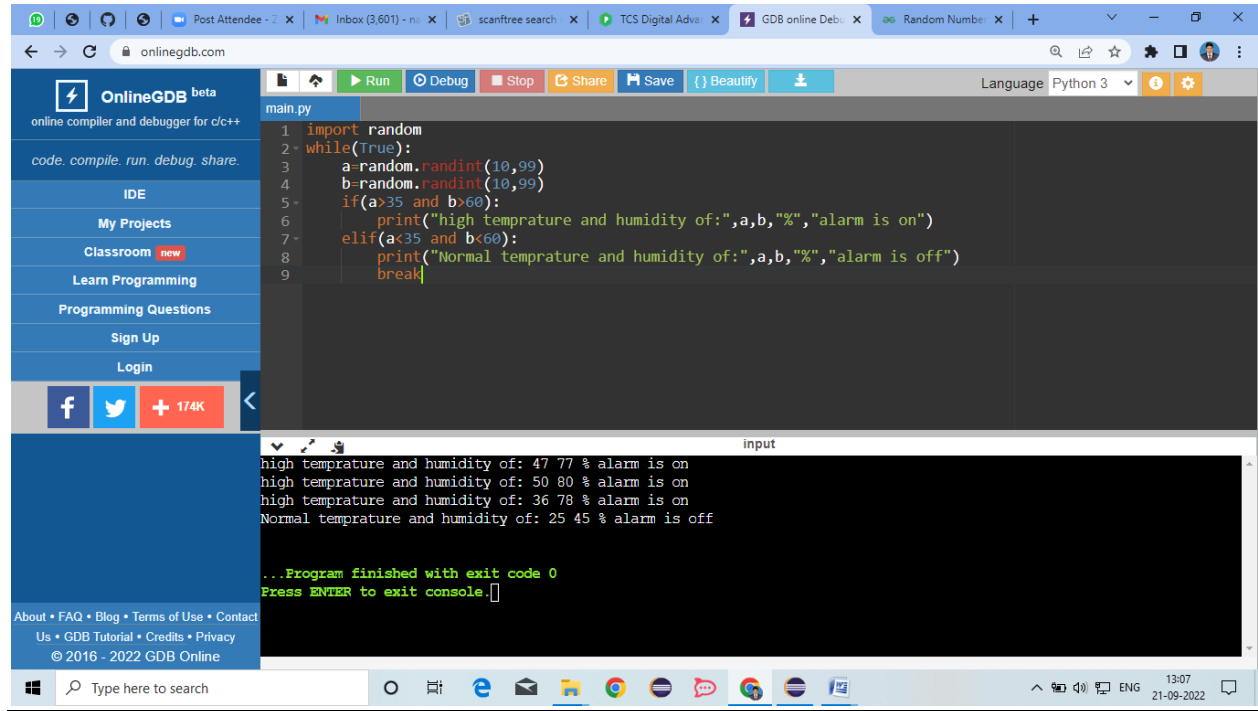
```
        print("high temprature and humidity of:",a,b,"%","alarm is on")
```

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

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

```
    break
```

## Output:-



The screenshot displays the OnlineGDB web interface. The top navigation bar includes links for 'Run', 'Debug', 'Stop', 'Share', 'Save', and 'Beautify'. The left sidebar contains a menu with options like 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main editor area shows a Python script named 'main.py' with the following code:

```
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
```

Below the code editor, the 'input' tab shows the program's output:

```
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.
```

The bottom of the screenshot shows a Windows taskbar with various application icons and a system clock indicating 13:07 on 21-09-2022.

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