

**VSB Engineering College, Karur-639111**

**Department of Electronics and Communication Engineering**

**Nalaya Thiran**

**IOT Assignment**

**Domain:**IoT Enabled Smartfarming application

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

**Name:** Logeshwar R

**Code:-**

**import random**

**while(True):**

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

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

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

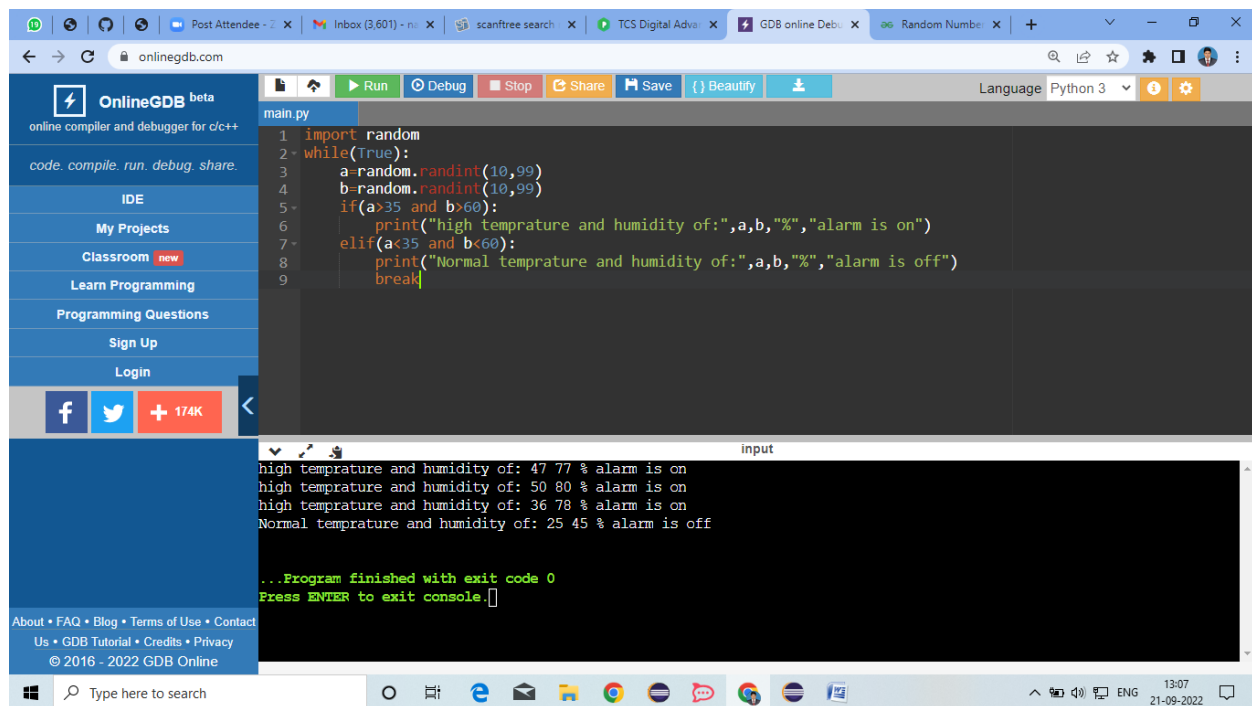
**print("high temprature and humidity  
of:",a,b,"%","alarm is on")**

**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 application. The browser's address bar shows the URL `onlinegdb.com`. The interface includes a top navigation bar with buttons for Run, Debug, Stop, Share, Save, and Beautify. A left sidebar contains links for IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. The main area shows a Python script in `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 output console shows the program's execution results:

```
input
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 image shows the Windows taskbar with the search bar and system tray icons, including the date and time (13:07, 21-09-2022).