

VSB Engineering College, Karur-639111

Department of Electronics and Communication Engineering

IOT Assignment

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

Name: Balamurugan R

Code:-

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b>60):

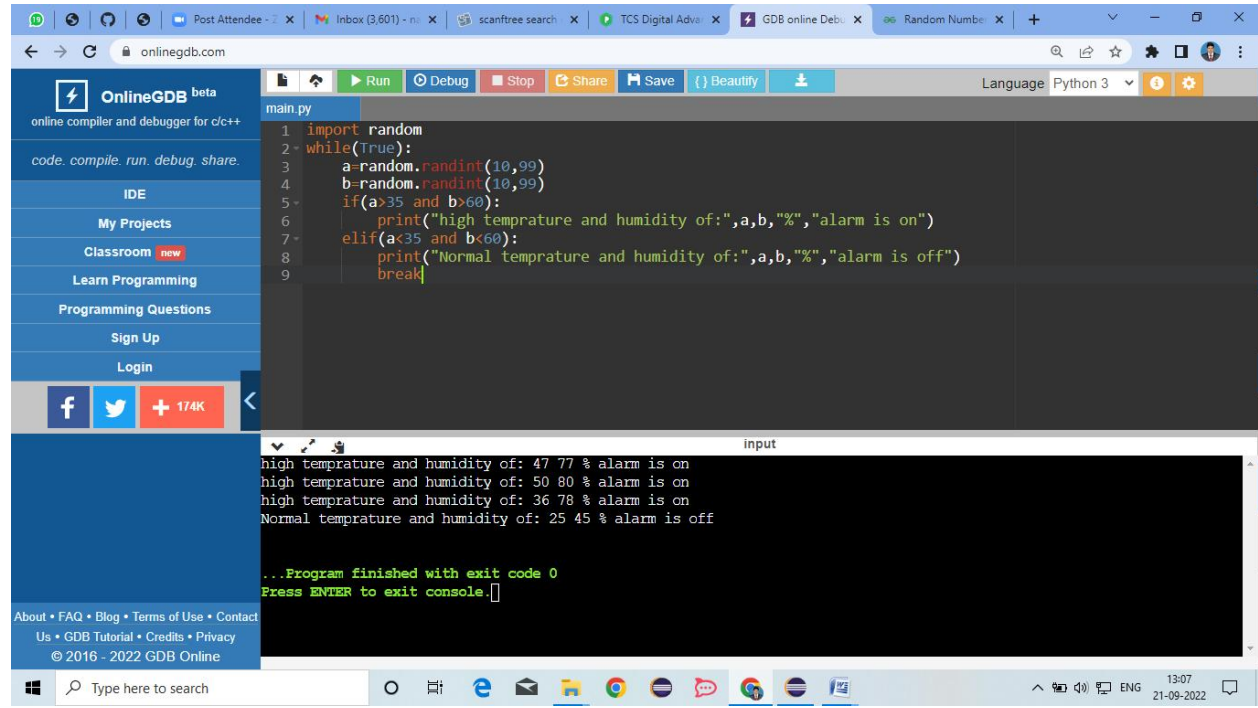
        print("high temprature and humidity of:",a,b,"%","alarm is on")

    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 interface. The browser's address bar shows 'onlinegdb.com'. The left sidebar contains navigation links: 'code.compile.run.debug.share.', 'IDE', 'My Projects', 'Classroom' (marked 'new'), 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. Below these are social media icons for Facebook and Twitter, and a '+ 174K' badge. The main editor area shows a Python file 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
```

The output console at the bottom shows the program's execution results:

```
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 browser window shows the Windows taskbar with the search bar and system tray icons, including the date and time '13:07 21-09-2022'.
