

**VSB Engineering College, Karur-639111**

**Department of Electronics and Communication Engineering**

**IOT Assignment**

**Topic :** Assignment on temperature and humidity sensing and alarm

**DOMAIN NAME :** Internet Of Things

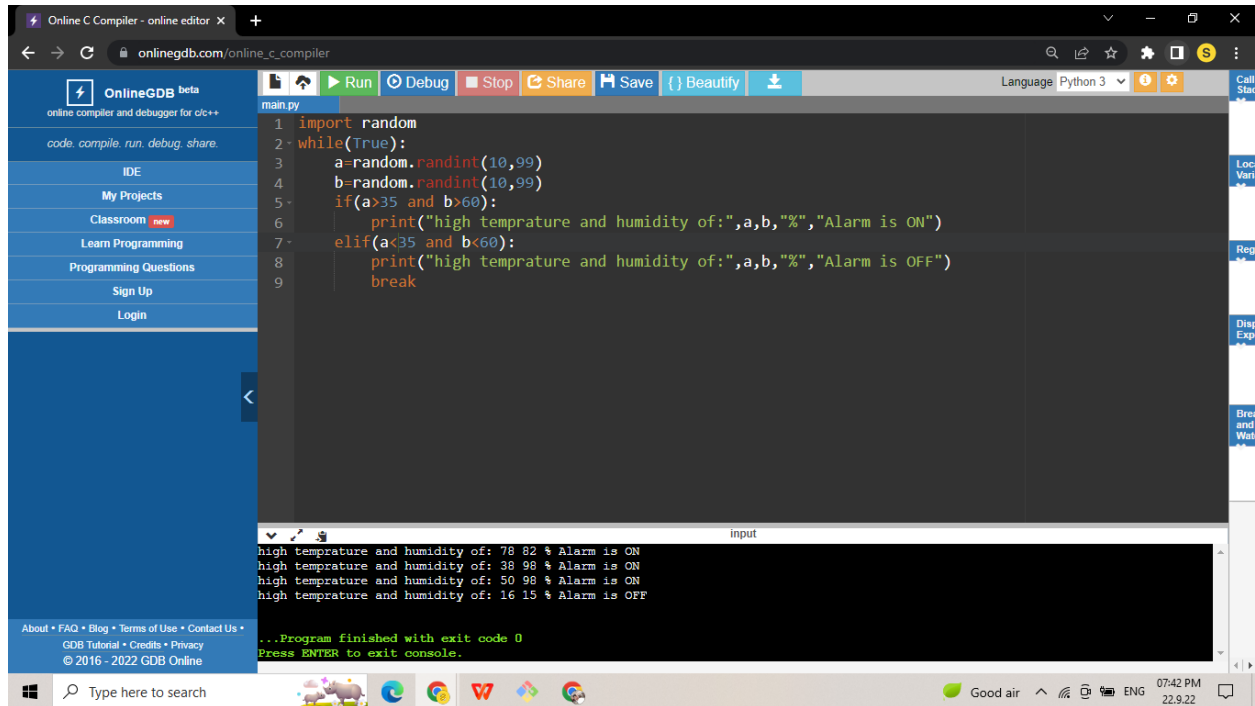
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**MENTOR NAME :** Nandhini P

**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 interface includes a top navigation bar with buttons for Run, Debug, Stop, Share, Save, and Beautyfy. 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 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("high temprature and humidity of:",a,b,"%","Alarm is OFF")
9         break
```

Below the code editor, the output console shows the results of the program's execution:

```
high temprature and humidity of: 78 82 % Alarm is ON
high temprature and humidity of: 38 98 % Alarm is ON
high temprature and humidity of: 50 98 % Alarm is ON
high temprature and humidity of: 16 15 % Alarm is OFF
...Program finished with exit code 0
Press ENTER to exit console.
```

The bottom of the image shows a Windows taskbar with the search bar, taskbar icons, and system tray information including 'Good air', 'ENG', and the time '07:42 PM 22.9.22'.