

## **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

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#### **Code:-**

```
import random
```

```
while(True):
```

```
    a=random.randint(9,89)
```

```
    b=random.randint(9,89)
```

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

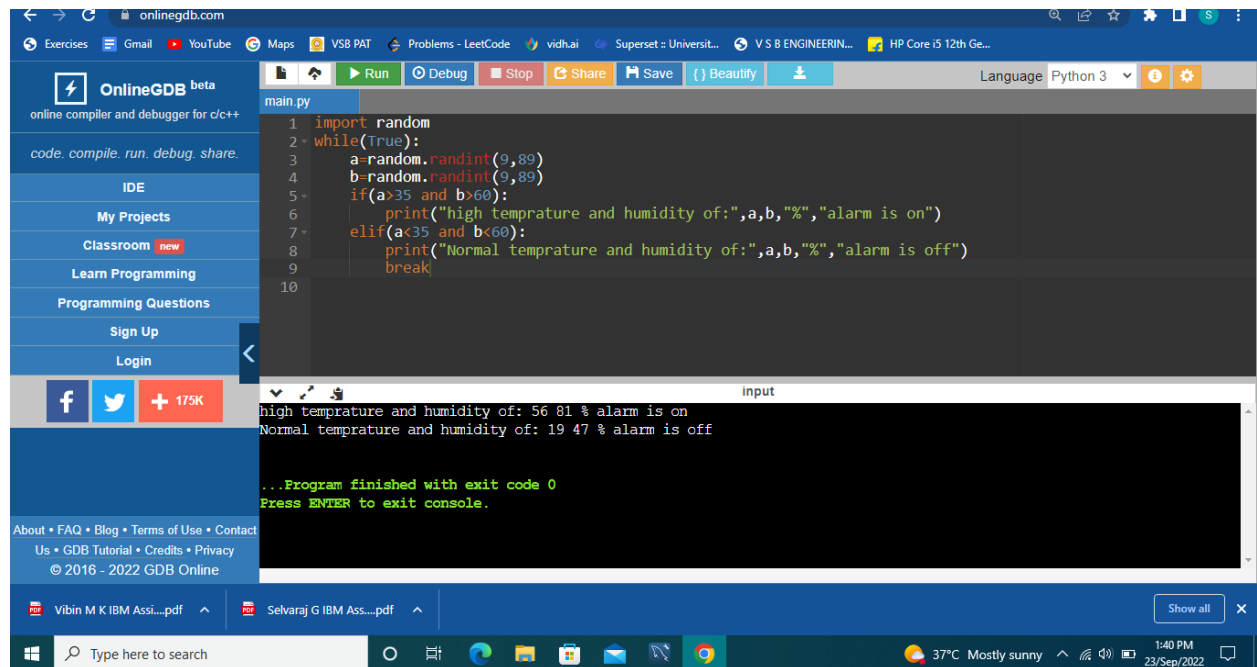
```
        print("high temprature and humidity of:",a,b,"%","alarm is on")
```

```
    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 left sidebar contains navigation links: Exercises, Gmail, YouTube, Maps, VSB PAT, Problems - LeetCode, vidh.ai, Superset - Universit..., V S B ENGINEERIN..., and HP Core i5 12th Ge... 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(9,89)
4     b=random.randint(9,89)
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
10
```

The output window at the bottom shows the execution results:

```
high temprature and humidity of: 56 81 % alarm is on
Normal temprature and humidity of: 19 47 % 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 indicating 37°C Mostly sunny, 1:40 PM, and 23/Sep/2022.