

**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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**Code:** import

random

```
while(True):
```

```
a=random.randint(8,79)
```

```
b=random.randint(8,79)
```

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

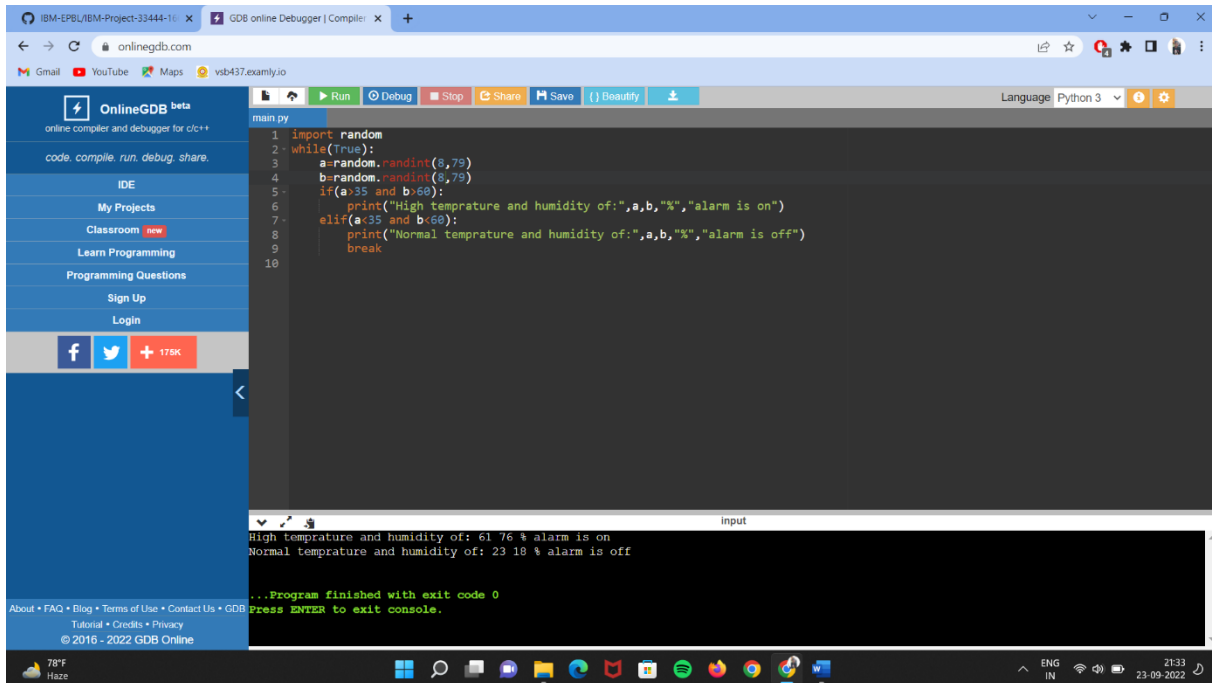
```
print("High Temperature and Humidity of:",a,b,"%", "alarm is  
on")
```

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

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

break

## Output:-



The screenshot displays the OnlineGDB web interface. The browser's address bar shows the URL `onlinegdb.com`. The left sidebar contains navigation links: **OnlineGDB beta**, `code, compile, run, debug, share.`, **IDE**, **My Projects**, **Classroom** (with a 'new' badge), **Learn Programming**, **Programming Questions**, **Sign Up**, and **Login**. Below these are social media icons for Facebook, Twitter, and a '+ 175K' button. The main editor area shows a Python script in a file named `main.py`. The script is as follows:

```
1 import random
2 while(True):
3     a=random.randint(8,79)
4     b=random.randint(8,79)
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: 61 76 % alarm is on
Normal temprature and humidity of: 23 18 % alarm is off

...Program finished with exit code 0
Press ENTER to exit console.
```

The bottom of the image shows a Windows taskbar with various application icons, the system clock displaying 21:33 on 23-09-2022, and the language set to ENG IN.