

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

Name: Sowmya L R

MENTOR NAME : Nandhini P

Code:

```
import random
```

```
while(True):
```

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

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

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

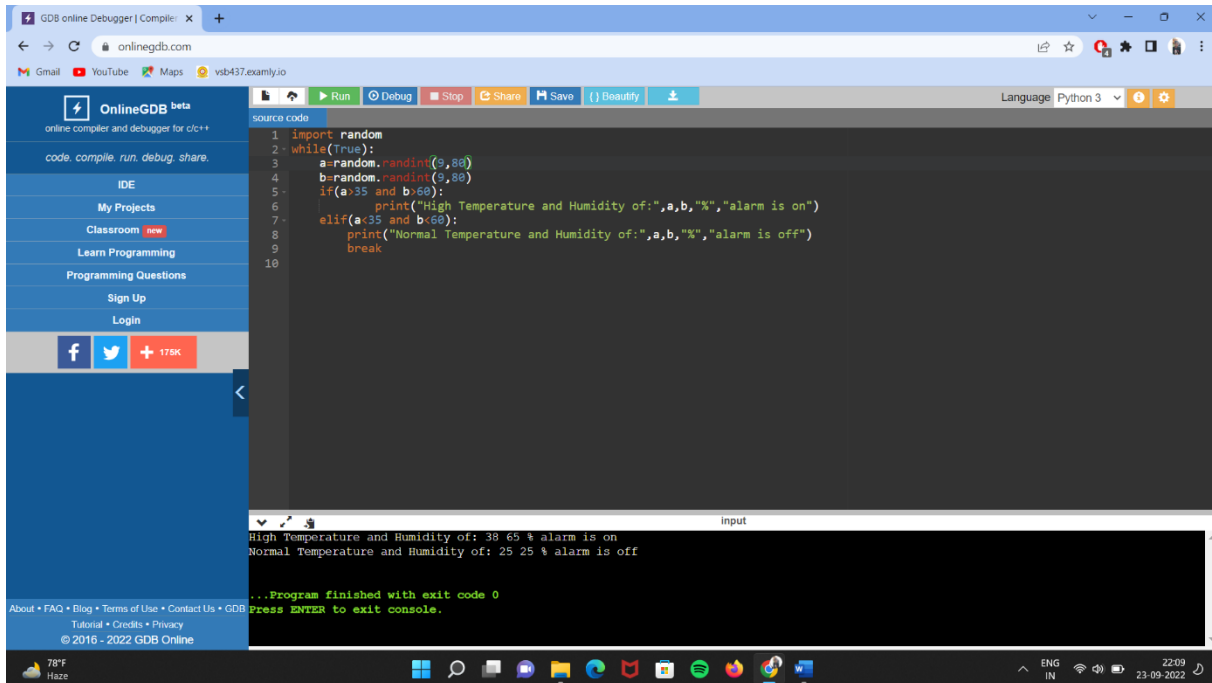
```
        print("High Temperature and Humidity of:",a,b,"%","alarm is  
on")
```

```
    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 application in a browser. The interface includes a sidebar with navigation links, a top toolbar with execution controls, a central code editor, and a bottom console window.

Source Code:

```
1 import random
2 while(True):
3     a=random.randint(0,80)
4     b=random.randint(0,80)
5     if(a>35 and b>60):
6         print("High Temperature and Humidity of:",a,b,"%","alarm is on")
7     elif(a<35 and b<60):
8         print("Normal Temperature and Humidity of:",a,b,"%","alarm is off")
9     break
10
```

Output:

```
High Temperature and Humidity of: 39 65 % alarm is on
Normal Temperature and Humidity of: 25 25 % alarm is off

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

The browser's address bar shows the URL `onlinegdb.com`. The sidebar on the left contains links for IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. The bottom status bar indicates a temperature of 78°F, weather of Haze, and the date 23-09-2022.