

**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 :** Dharshini SG

**MENTOR NAME :** Janani.S

**Code:-**

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
    b=random.randint(10,99)
```

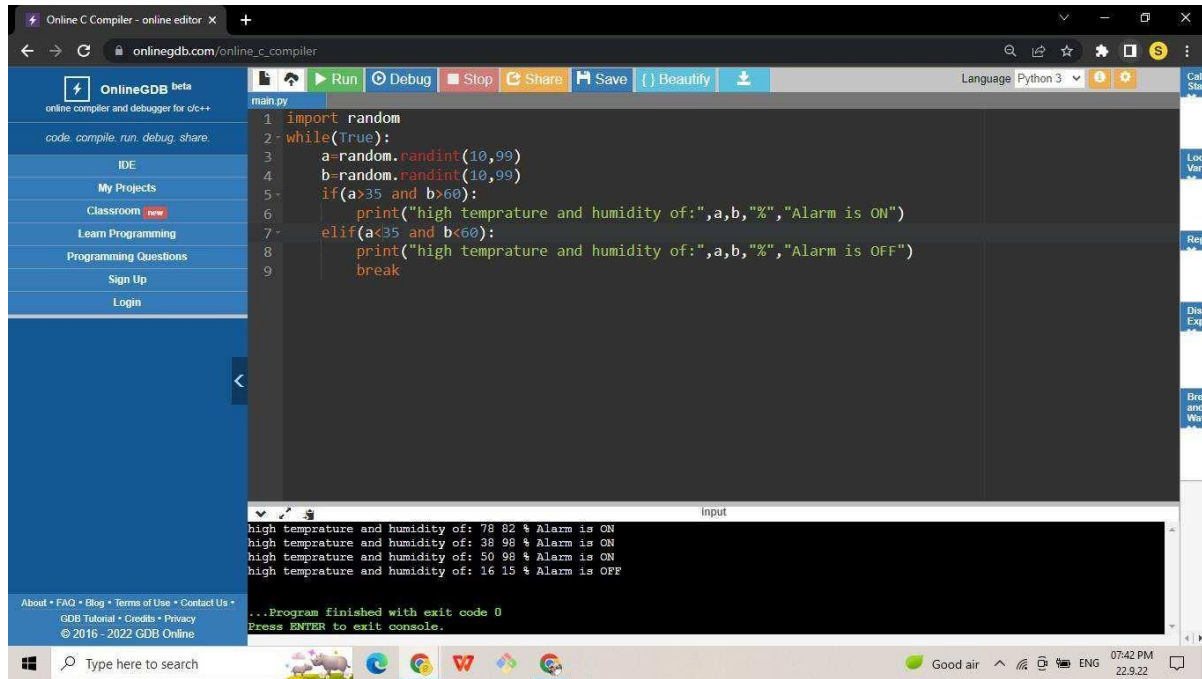
```
    if(a>35 and b>60):
```

```
        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 shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page features a sidebar on the left with navigation links: `OnlineGDB beta`, `online compiler and debugger for c/c++`, `code compile run debug share`, `IDE`, `My Projects`, `Classroom`, `Learn Programming`, `Programming Questions`, `Sign Up`, and `Login`. The main area displays a Python script in a dark-themed editor. The script is as follows:

```
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 of the program is shown in a console window. The output consists of four lines of text, each representing a random iteration 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
```

At the bottom of the console, a message indicates the program's completion: `...Program finished with exit code 0` and `Press ENTER to exit console.`. The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons, along with system status icons and the time `07:42 PM 22.9.22`.