

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: SHOORIYA PRABHAA S

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):
```

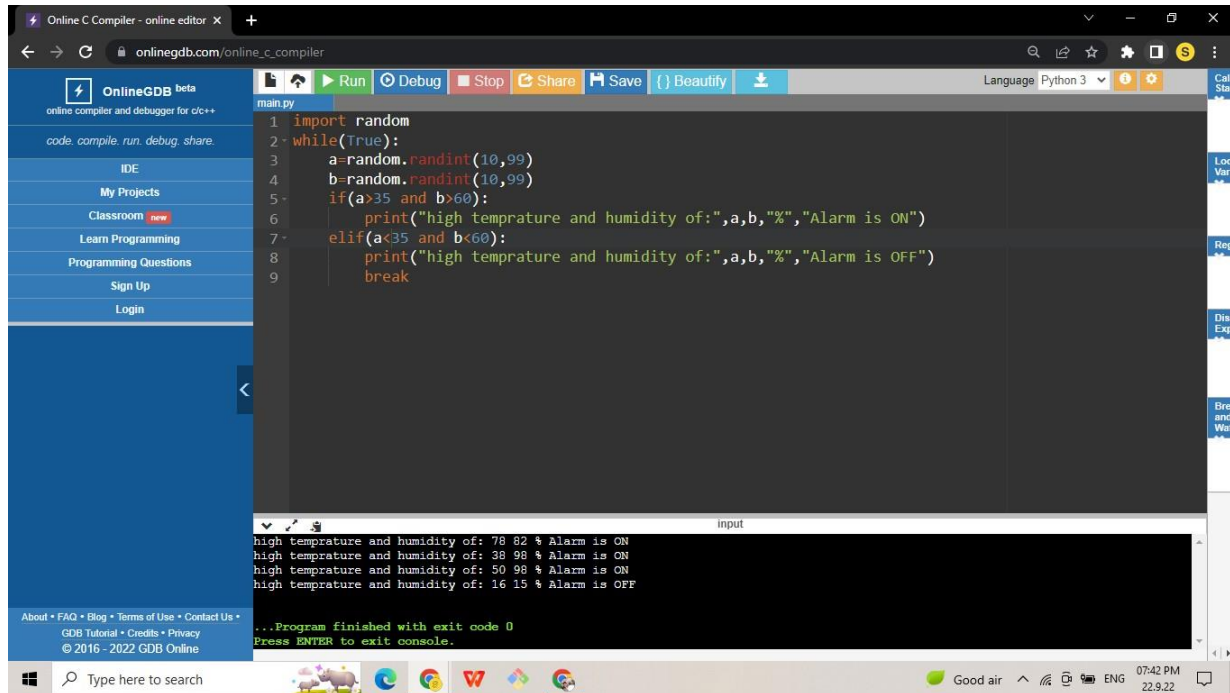
```
        print("high temprature and humidity of:",a,b,"% ","alarm is on")
```

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

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

```
    break
```

Output:-



The screenshot displays the OnlineGDB online editor interface. The top navigation bar includes buttons for Run, Debug, Stop, Share, Save, and Beautify. The left sidebar contains links to IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. 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(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
```

The output console at the bottom shows the execution results:

```
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 Windows taskbar at the bottom indicates the time is 07:42 PM on 22.9.22.