

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: SANGEETHA R

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):
```

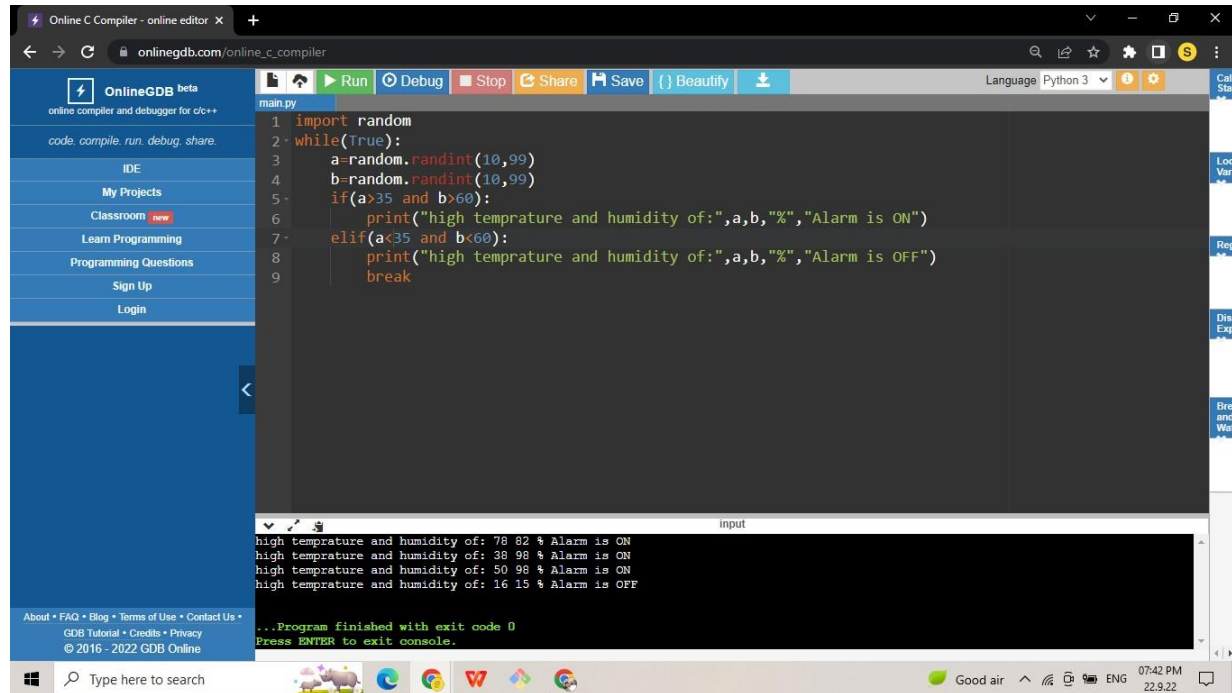
```
        print("high temprature and humidity of:",a,b,"% ","alarm is on")
```

```
    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 links for Run, Debug, Stop, Share, Save, and Beautify. The left sidebar contains a menu with options like 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.