

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(7,98)
```

```
    b=random.randint(7,98)
```

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

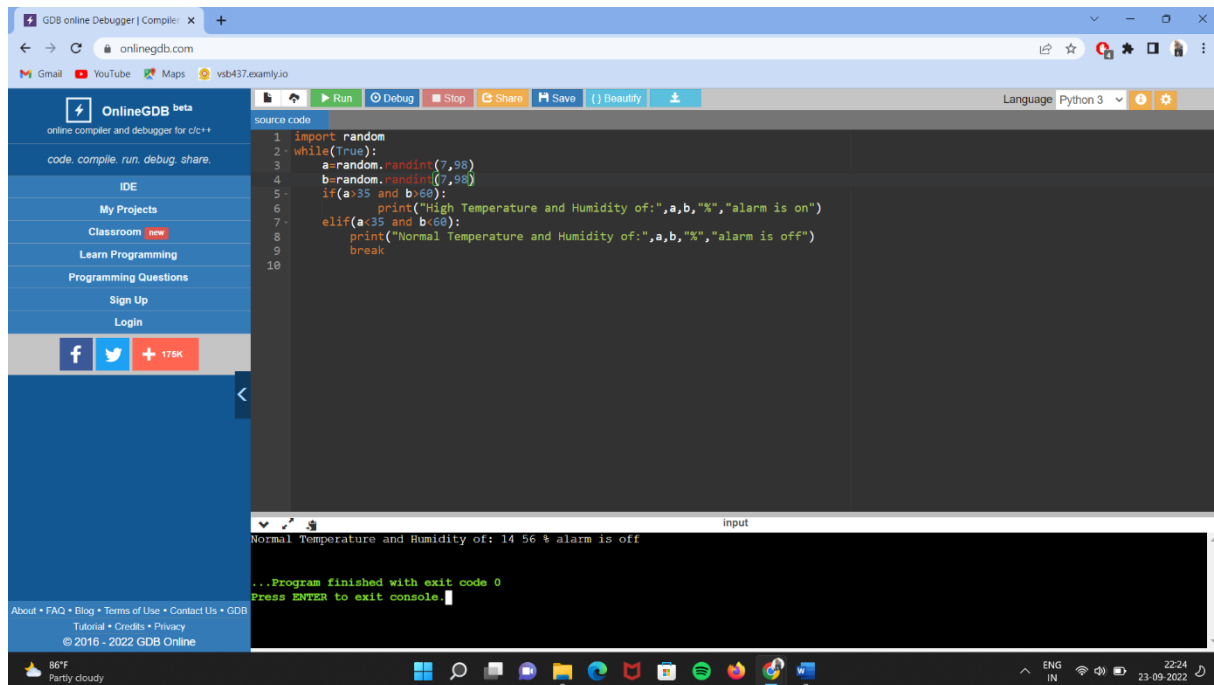
```
        print("High Temperature and Humidity of:",a,b,"%","alarm is  
                on")
```

```
    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 address bar shows 'onlinegdb.com'. The left sidebar contains navigation links: 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main editor area shows a Python script with the following code:

```
1 import random
2 while(True):
3     a=random.randint(7,98)
4     b=random.randint(7,98)
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
```

The output console at the bottom shows the execution results:

```
Normal Temperature and Humidity of: 14 56 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The bottom status bar indicates a temperature of 86°F, 'Partly cloudy' weather, and the date '23-09-2022'.