

VSB Engineering College, Karur-639111

Department of Computer Science And Engineering

IOT Assignment

Topic : Assignment on temperature and humidity sensing and alarm automation using python

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Code:-

```
import random
```

```
while(True):
```

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

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

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

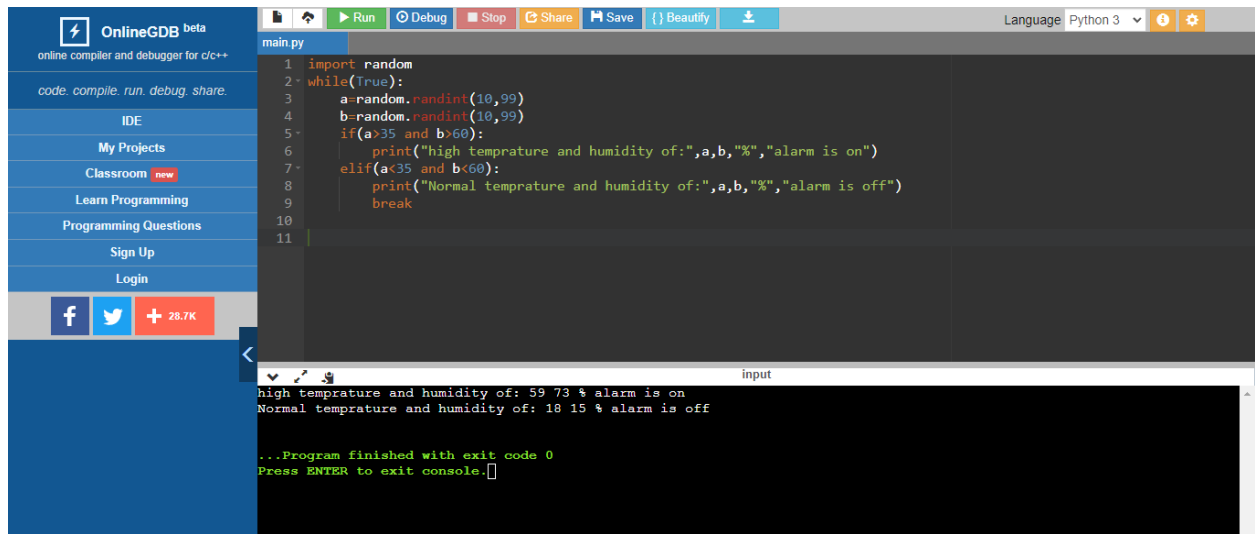
```
        print("high temprature and humidity of:",a,b,"%","alarm is on")
```

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

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

```
    break
```

Output:-



The screenshot displays the OnlineGDB web interface. On the left is a sidebar with navigation links: IDE, My Projects, Classroom (marked 'new'), Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook and Twitter, and a '+ 28.7K' badge. The main area features a toolbar with icons for Run, Debug, Stop, Share, Save, and Beautify. The code editor shows a Python script named 'main.py' with the following content:

```
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("Normal temprature and humidity of:",a,b,"%", "alarm is off")
9     break
10
11
```

Below the code editor is a console window titled 'input' showing the program's execution output:

```
high temprature and humidity of: 59 73 % alarm is on
Normal temprature and humidity of: 18 15 % alarm is off

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