

**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

**Name:** ABISHEK S

**Code:-**

```
import random
```

```
while(True):
```

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

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

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

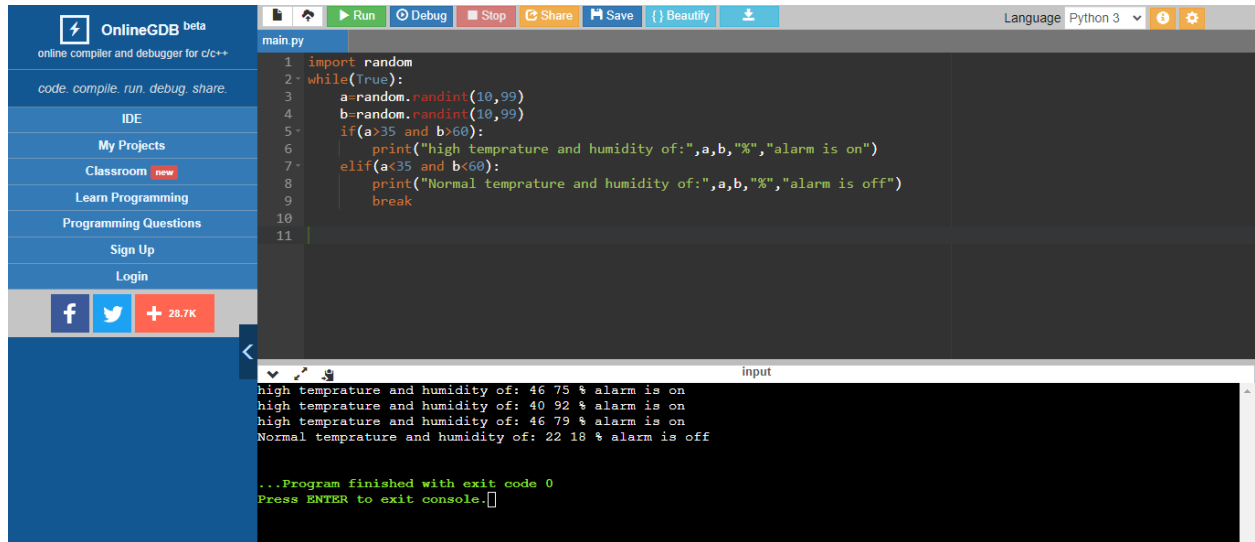
```
        print("high temprature and humidity of:",a,b,"%","alarm is on")
```

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

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

```
    break
```

## Output:-



The screenshot displays the OnlineGDB beta 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 top toolbar includes buttons for 'Run', 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and a download icon. The language is set to 'Python 3'. The main editor shows a file 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("Normal temprature and humidity of:",a,b,"%", "alarm is off")
9     break
10
11
```

Below the editor is a console window with the following output:

```
high temprature and humidity of: 46 75 % alarm is on
high temprature and humidity of: 40 92 % alarm is on
high temprature and humidity of: 46 79 % alarm is on
Normal temprature and humidity of: 22 18 % alarm is off

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

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