

# VELAMMAL INSTITUTE OF TECHNOLOGY, THIRUVALLUR-601204

## Department of Electronics and Communication Engineering

### IOT Assignment

**Topic:** Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

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#### Code:-

```
import random

while(True):

    a=random.randint(15,88)

    b=random.randint(15,88)

    if(a>35 and b>60):

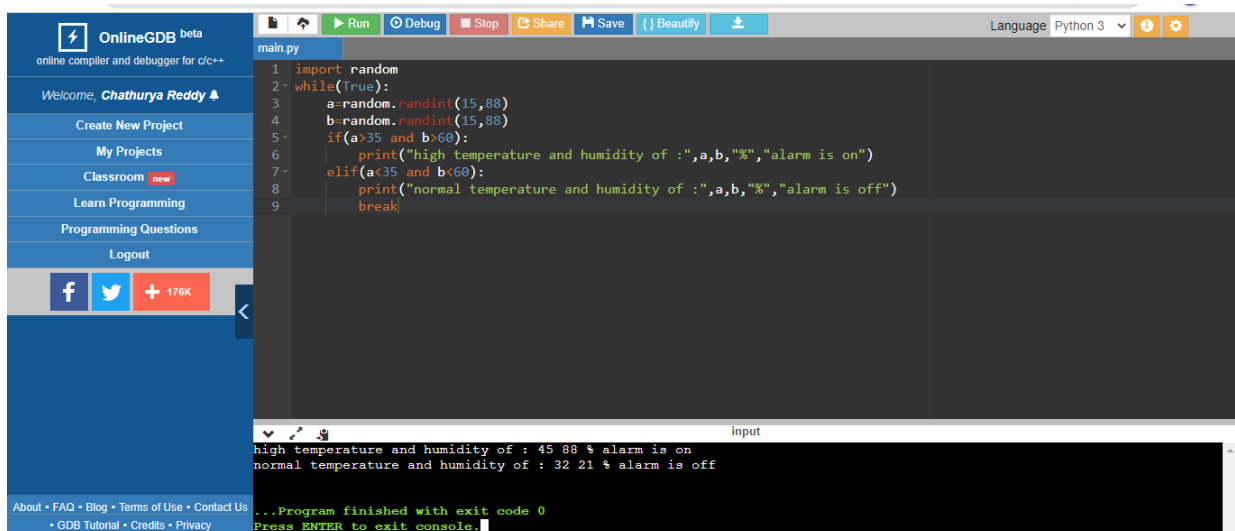
        print("high temperature and humidity of :",a,b,"%","alarm is on") elif(a<35

and b<60):

        print("normal temperature and humidity of :",a,b,"%","alarm is off")

    break
```

#### output:

The screenshot shows the OnlineGDB beta web interface. On the left is a sidebar with navigation links: 'Welcome, Chathurya Reddy', 'Create New Project', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', and 'Logout'. Below these are social media icons for Facebook, Twitter, and a '+ 176K' button. The main area displays a Python script in a dark-themed editor. The script is as follows:

```
1 import random
2 while(True):
3     a=random.randint(15,88)
4     b=random.randint(15,88)
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
```

Below the editor, the output is shown in a console window:

```
high temperature and humidity of : 45 88 % alarm is on
normal temperature and humidity of : 32 21 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console
```