

**Arunachala College of Engineering for Women, Manavilai**

**Department of Electronics and Communication Engineering**

**Nalaya Thiran**

**IOT Assignment**

**Domain:**IoT Enabled Smartfarming application

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

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**Code:-**

**import random while(True):**

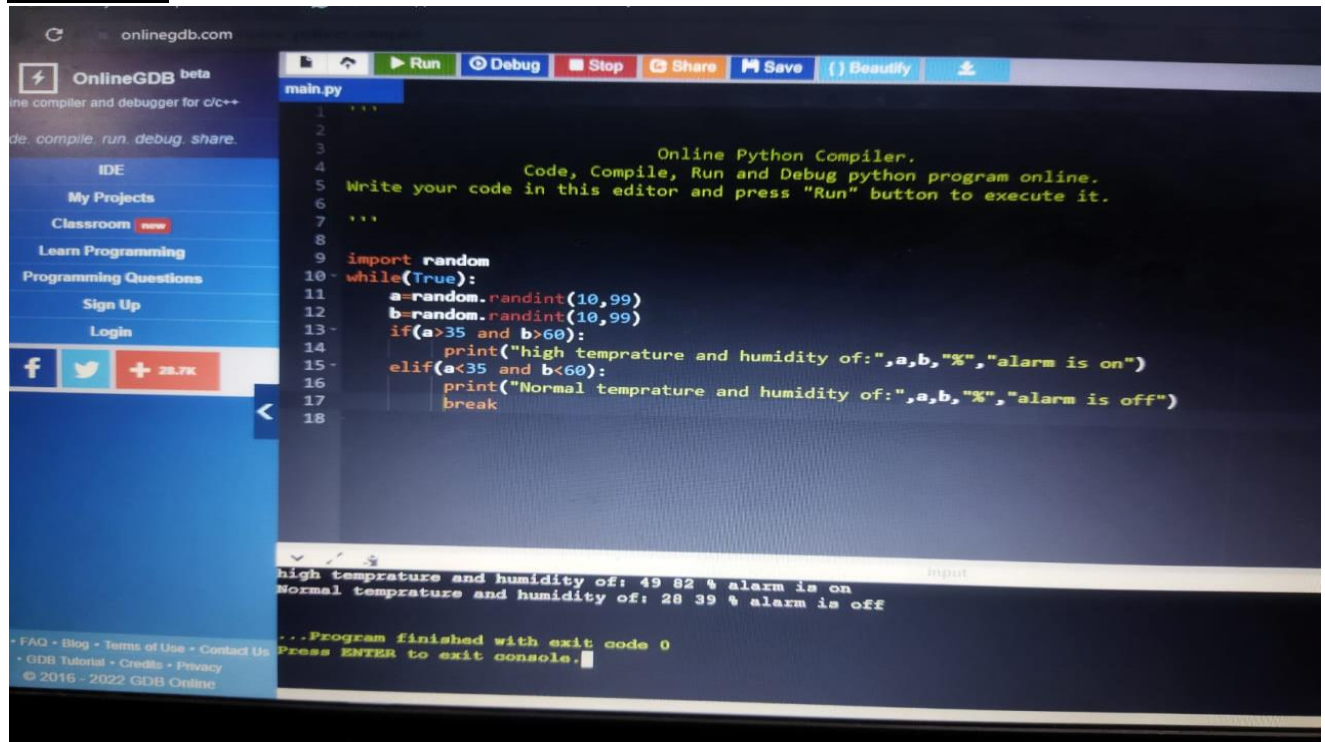
**a=random.randint(10,99)**

**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: 'My Projects', 'Classroom' (marked as new), 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. Below these are social media icons for Facebook, Twitter, and a '+ 28.7K' button. The main area features a toolbar with 'Run', 'Debug', 'Stop', 'Share', 'Save', 'Beautify', and a user icon. The code editor shows a file named 'main.py' with the following Python code:

```
1 '''
2
3 Online Python Compiler.
4 Code, Compile, Run and Debug python program online.
5 Write your code in this editor and press "Run" button to execute it.
6 '''
7
8
9 import random
10 while(True):
11     a=random.randint(10,99)
12     b=random.randint(10,99)
13     if(a>35 and b>60):
14         print("high temprature and humidity of:",a,b,"%","alarm is on")
15     elif(a<35 and b<60):
16         print("Normal temprature and humidity of:",a,b,"%","alarm is off")
17         break
18
```

Below the code editor is an 'Input' field and an 'Output' area. The output shows the results of two iterations: 'high temprature and humidity of: 49 82 % alarm is on' and 'Normal temprature and humidity of: 28 39 % alarm is off'. At the bottom, it states '...Program finished with exit code 0' and 'Press ENTER to exit console.'.