

VSB Engineering College, Karur-639111

Department of Electronics and Communication Engineering

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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):

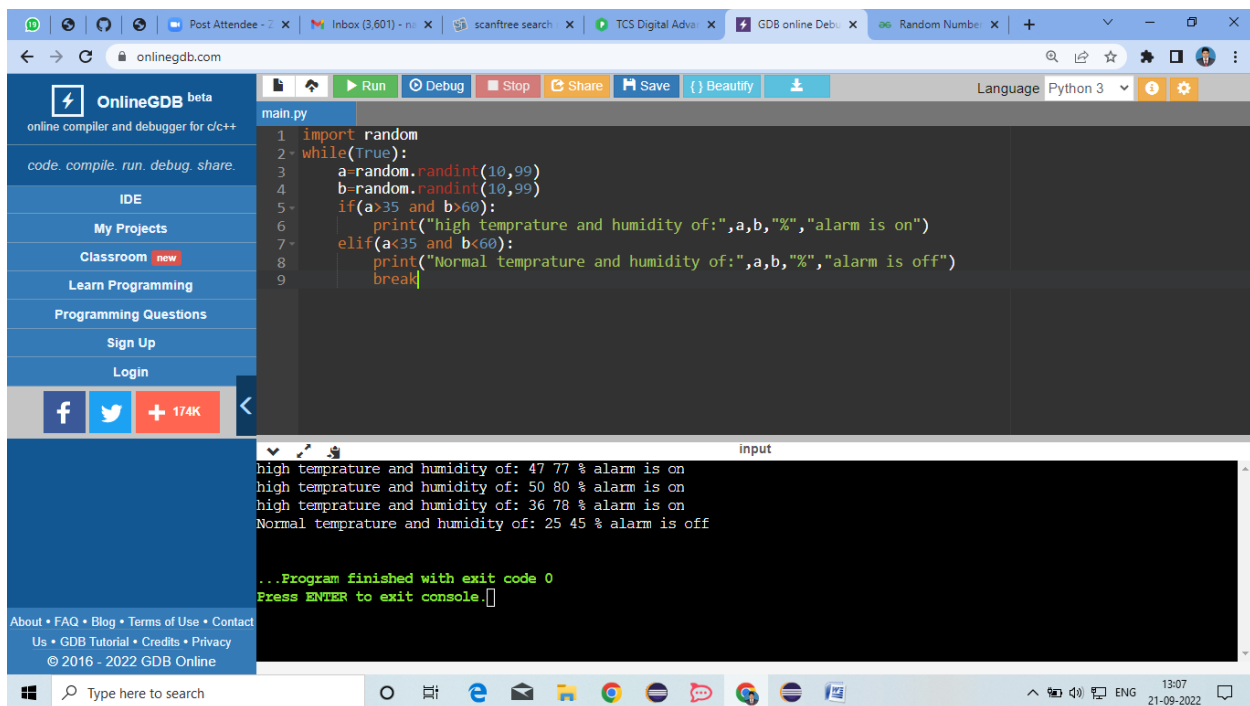
**print("high temprature and humidity
of:",a,b,"%","alarm is on")**

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. The browser's address bar shows 'onlinegdb.com'. The interface includes a sidebar with navigation links: 'code. compile. run. debug. share.', 'IDE', 'My Projects', 'Classroom' (marked as 'new'), 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. Below these are social media icons for Facebook and Twitter, and a '+ 174K' button. The main area is divided into two panes. The top pane, titled 'main.py', contains the following Python 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
```

The bottom pane, titled 'input', shows the program's output:

```
high temprature and humidity of: 47 77 % alarm is on
high temprature and humidity of: 50 80 % alarm is on
high temprature and humidity of: 36 78 % alarm is on
Normal temprature and humidity of: 25 45 % alarm is off

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

The bottom of the interface features a Windows taskbar with a search bar and various application icons. The system clock in the bottom right corner indicates the time as 13:07 on 21-09-2022.