

KSR College Of Engineering , Tiruchengode

Department of Electronics And Communication

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IOT ASSIGNMENT – 02

Python Code:

```
import random

while(True):

    a=random.randint(10,99)

    b=random.randint(10,99)

    if(a>35 and b<60):

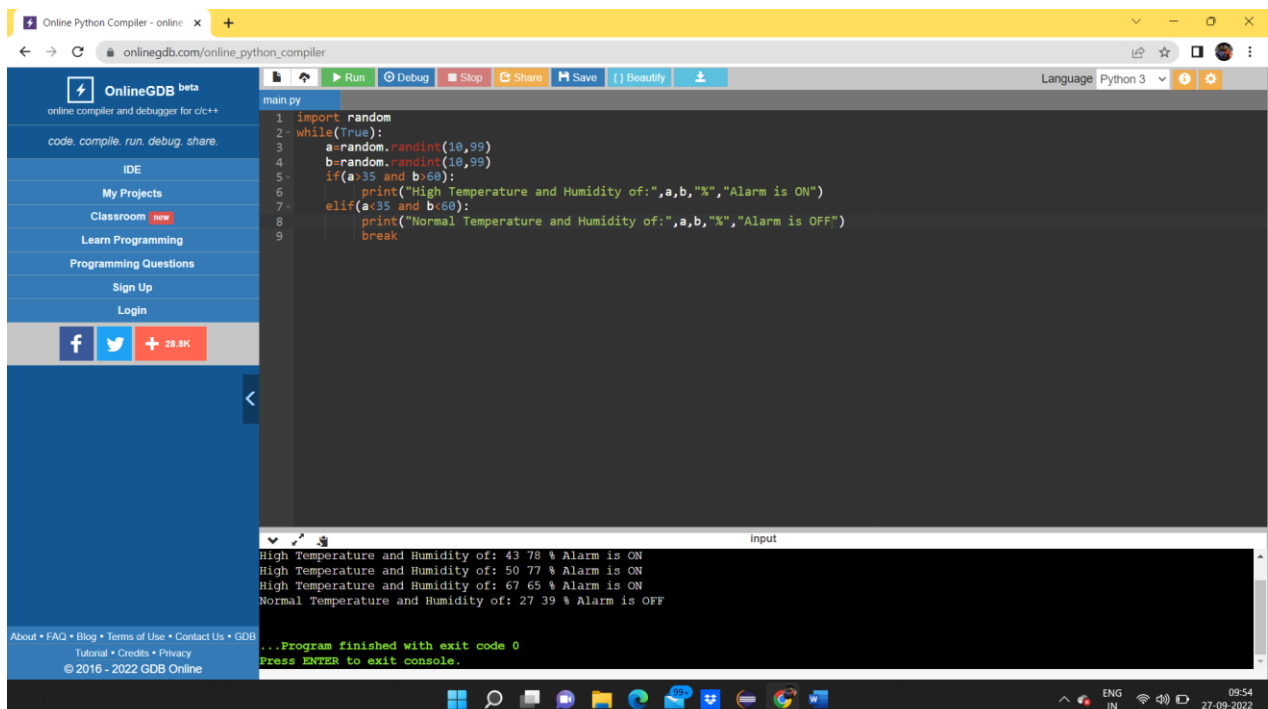
        print(" High Temperature and Humidity of : " , a,b,"%","Alarm is   ON")

    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. The left sidebar contains navigation links: IDE, 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 red button with a plus sign and '28 BK'. The main area displays a Python script in a dark-themed editor. The script is the same as the one provided in the previous block. Below the editor, the output console shows the results of the program's execution. It displays three lines of 'High Temperature and Humidity' followed by 'Alarm is ON', and one line of 'Normal Temperature and Humidity' followed by 'Alarm is OFF'. At the bottom, a green message states '...Program finished with exit code 0' and 'Press ENTER to exit console.' The browser's address bar shows 'onlinegdb.com/online_python_compiler' and the language is set to 'Python 3'. The system tray at the bottom indicates the time as 09:54 on 27-09-2022.

```
main.py
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 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

High Temperature and Humidity of: 43 78 % Alarm is ON
High Temperature and Humidity of: 50 77 % Alarm is ON
High Temperature and Humidity of: 67 65 % Alarm is ON
Normal Temperature and Humidity of: 27 39 % Alarm is OFF

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

