

# KSR College Of Engineering , Tiruchengode

Department of Information Technology

NALAIYA THIRAN

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):

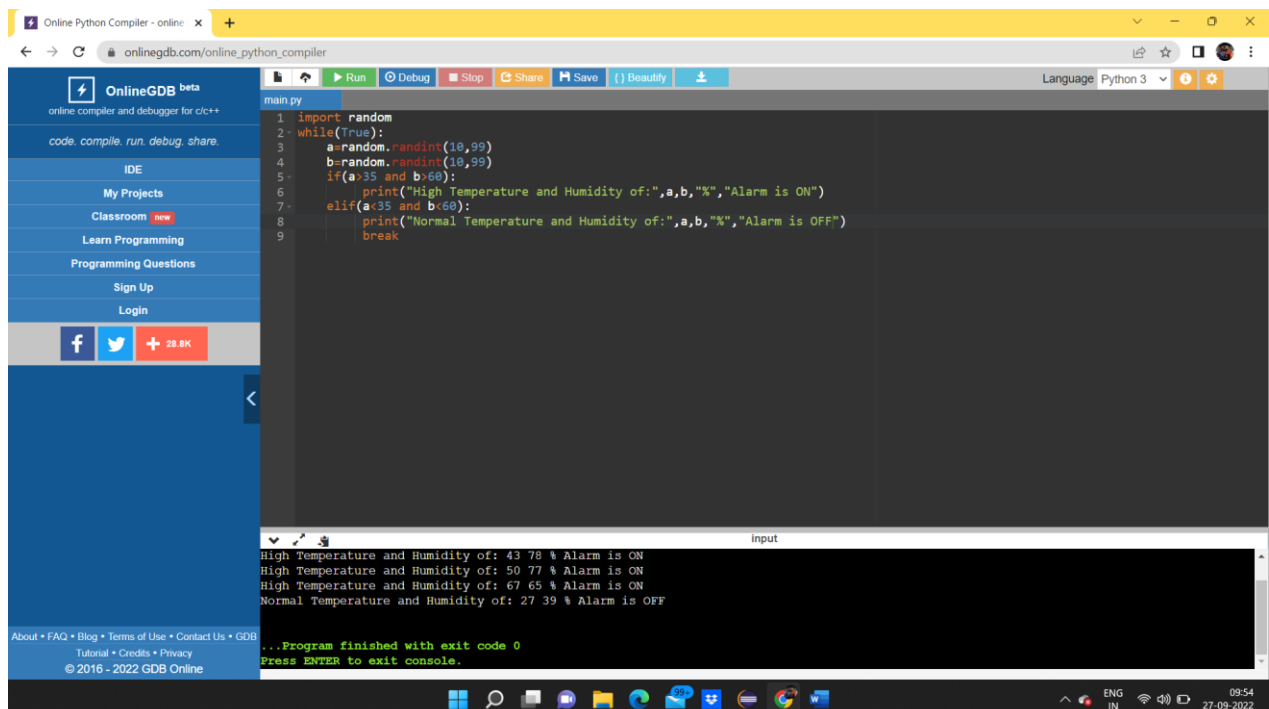
        print(" High Temperature and Humidity of : " , a,b,"%","Alarm is   ON")

    elif (a<35 and b <60):

        print(" Normal Temperature and Humidity of : " , a,b,"%","Alarm is OFF")

    break
```

**Output:**



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links such as 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main editor area shows the Python code from the previous block. Below the editor, the 'input' tab is active, displaying the program's output: 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'. The status bar at the bottom indicates the program finished with exit code 0.

```
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.

