

M.KUMARASAMY COLLEGE OF ENGINEERING, Karur-639111

Department of Electronics and Communication Engineering

IOT Assignment

Topic : Assignment on temperature and humidity sensing and alarm

DOMAIN NAME : Internet Of Things

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Code:-

```
import
random

while(True):

    a=random.randint(10,99

    )

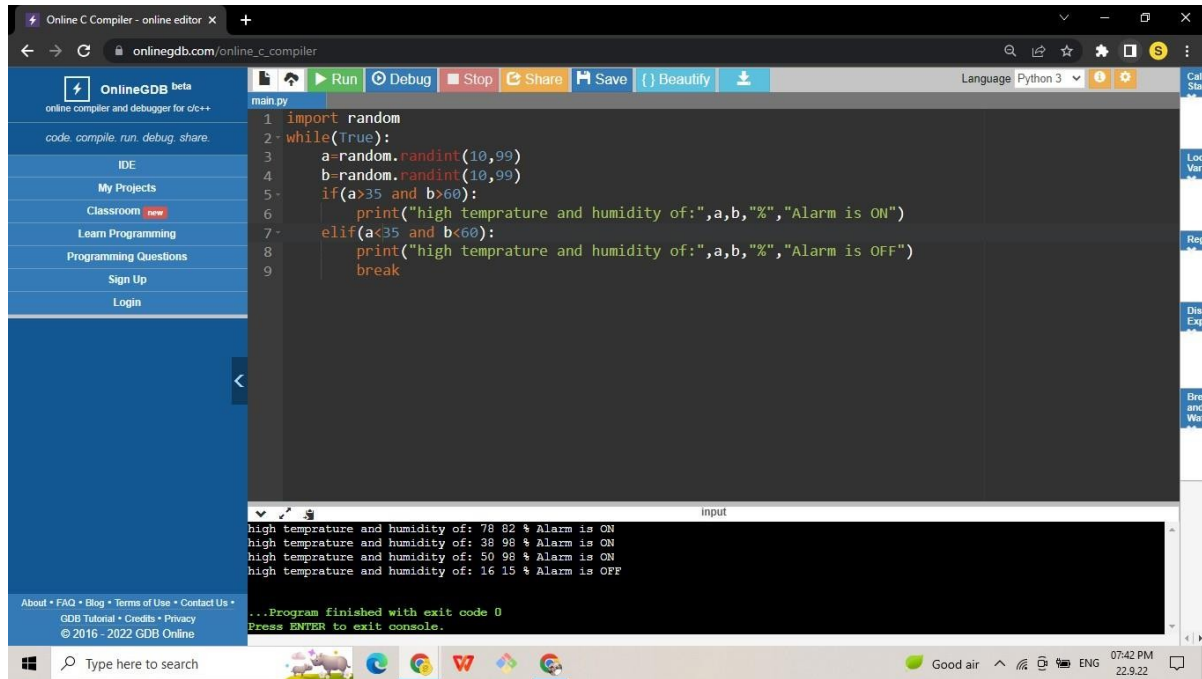
    b=random.randint(10,99

    )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 shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page features a dark-themed code editor with a Python script. The script imports the `random` module and enters a `while(True):` loop. Inside the loop, it generates two random integers, `a` and `b`, both between 10 and 99. It then checks if `a > 35` and `b > 60`. If true, it prints "high temprature and humidity of: ", followed by the values of `a` and `b`, and "Alarm is ON". If false, it prints "high temprature and humidity of: ", followed by the values of `a` and `b`, and "Alarm is OFF". The loop breaks after the first iteration. The output console at the bottom shows the results of the execution, with the first three lines indicating "Alarm is ON" and the last line indicating "Alarm is OFF". 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 temprature and humidity of:",a,b,"%", "Alarm is ON")
7     elif(a<35 and b<60):
8         print("high temprature and humidity of:",a,b,"%", "Alarm is OFF")
9     break
```

high temprature and humidity of: 78 82 % Alarm is ON
high temprature and humidity of: 38 98 % Alarm is ON
high temprature and humidity of: 50 98 % Alarm is ON
high temprature and humidity of: 16 15 % Alarm is OFF

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