

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):

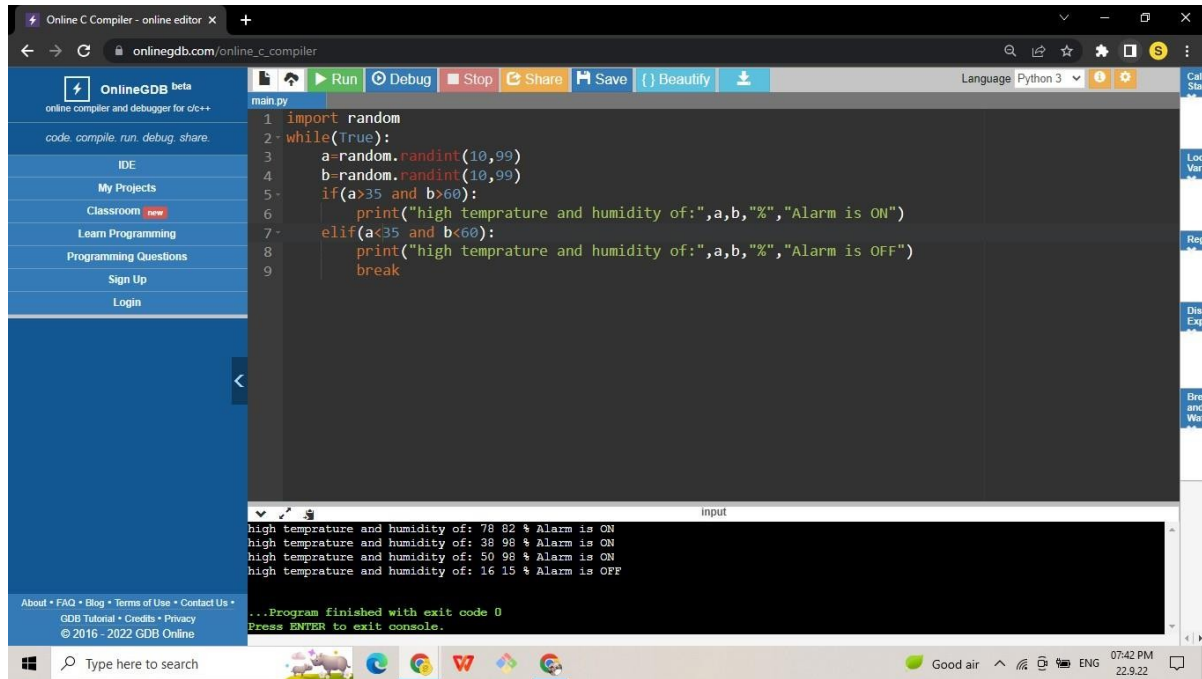
        print("high temprature and humidity of:",a,b,"%","alarm is

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 Python code. The code defines a `while` loop that generates random values for `a` and `b` and checks if they meet certain conditions to print an alarm status. The output console at the bottom shows the results of the program's execution, including the generated values and the corresponding alarm status. The program ends with an exit code of 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.