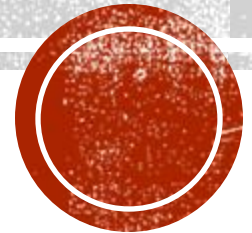


# **ASSIGNMENT-2**

**Project Name:** IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING  
AND NOTIFICATION

**Batch Number:** B5-51ME

**Assignment 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>40 and b>70):
        print("high temprature and humidity of:",a,b,"%","alarm is on")
    elif(a<30 and b<55):
        print("Normal temprature and humidity of:",a,b,"%","alarm is off")
    break
```



The screenshot shows a web browser window with the URL `onlinegdb.com/online_c_compiler`. The page features a sidebar on the left with navigation links: "OnlineCDB", "Online compiler and debugger for C/C++", "Online compiler - run, debug, share", "C/C++", "My Projects", "Classrooms", "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 "More".

The main content area displays a Python script in a dark-themed editor. The script is as follows:

```
1 import random
2
3 while(True):
4
5     a=random.randint(10,30)
6     b=random.randint(10,30)
7
8     if(a>20 and b>20):
9
10
11         print("High temperature and humidity of:",a,b,"%","alarm is on")
12
13     elif(a<20 and b<20):
14
15         print("Normal temperature and humidity of:",a,b,"%","alarm is off")
16
17     break
```

Below the code editor, the output is displayed in a light-colored box. It shows two lines of output: "High temperature and humidity of: 25 27 % alarm is on" and "Normal temperature and humidity of: 11 11 % alarm is off". At the bottom of the output box, it says "...Program finished with exit code 0" and "Press ENTER to exit console."

The bottom of the browser window shows a Windows taskbar with a search bar, several application icons, and system information: "35°C Light rain", "G5 896", and "18/5 24.09.2022".

