

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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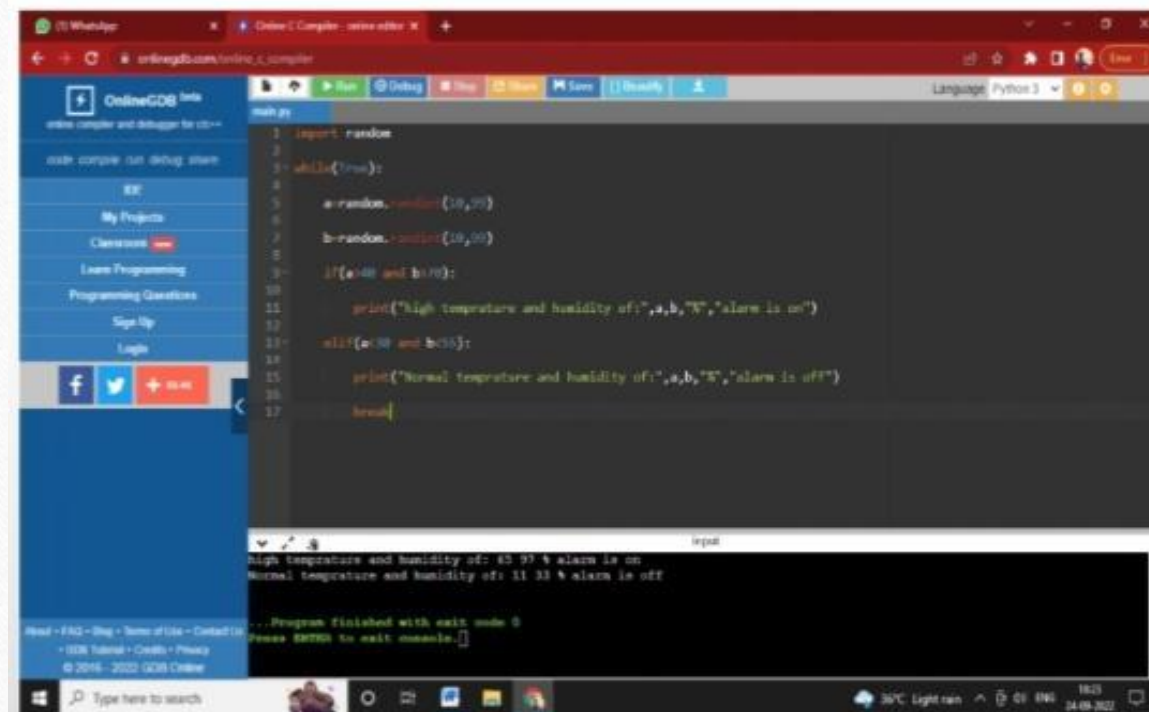
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Code:

```
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 displays the OnlineGDB web interface. On the left is a navigation menu with links like 'OnlineGDB Info', 'Code Compiler', 'My Projects', and 'Sign Up'. The main area shows a Python code editor with the following code:

```
1 import random
2
3 while(1==1):
4
5     a=random.randint(10,70)
6     b=random.randint(10,100)
7
8     if(a<40 and b<70):
9
10         print("High temperature and humidity of: ",a,b,"°C","alarm is on")
11
12     elif(a<30 and b<50):
13
14         print("Normal temperature and humidity of: ",a,b,"°C","alarm is off")
15
16
17 break
```

Below the code editor is an 'Input' field and an 'Output' area. The output shows the results of the program's execution:

```
High temperature and humidity of: 65 99 °C alarm is on
Normal temperature and humidity of: 11 33 °C alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The browser's address bar shows 'onlinegdb.com/online_c_compiler' and the language is set to 'Python 3'. The Windows taskbar at the bottom indicates the system time is 18:23 on 24-09-2022.