

ASSIGNMENT NO -2

Project Name : Smart Farmer - IoT Enabled Smart Farming

Batch Number : B5-5M1E

Assignment Topic : Assignment on temperature and humidity sensing and alarm automation using python

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
```

TEAM MEMBERS

Team lead : Santhosh R

Member-1 :dhivagar R

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The screenshot shows the OnlineGDB website interface. The browser address bar displays `onlinegdb.com/online_c_compiler`. The left sidebar contains navigation links: OnlineGDB link, online compiler and debugger for c/c++, code compile, run, debug, share, IDE, My Projects, Classroom, Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook, Twitter, and a general share button. The main editor area shows a C++ program with the following code:

```
1. import random
2.
3. while(1):
4.
5.     a=random.randint(10,99)
6.
7.     b=random.randint(10,99)
8.
9.     if(a>40 and b>70):
10.
11.         print("high temperature and humidity of:",a,b,"%","alarm is on")
12.
13.     elif(a<30 and b<55):
14.
15.         print("Normal temperature and humidity of:",a,b,"%","alarm is off")
16.
17.     break
```

The output window at the bottom shows the execution results:

```
high temperature and humidity of: 45 75 % alarm is on
Normal temperature and humidity of: 21 33 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The Windows taskbar at the bottom shows the system clock as 10:01 AM on 11/11/2022.