

ASSIGNMENT-2

Project Name: IOT BASED REAL TIME RIVER WATER QUALITY MONITORING AND CONTROL SYSTEM

Team ID : PNT2022TMID08456

Assignment Given : Temperature and humidity sensing and alarm automation using python

Team Members

Team leader : Deepan S V

Team Member 1: Kirubasankar D

Team member 2 : Rohith varma R

Team member 3 : Sudharsan s

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
```

REFERENCE:

The screenshot displays the OnlineGDB beta online compiler interface. The browser address bar shows the URL `onlinegdb.com/online_c_compiler`. The interface includes a sidebar with navigation links: IDE, My Projects, Classroom (marked as new), Learn Programming, Programming Questions, Sign Up, and Login. Below these are social media icons for Facebook and Twitter, and a button indicating 88.4K users. The main editor area shows a Python script in `main.py` with the following code:

```
1 import random
2
3 while(True):
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 temprature and humidity of:",a,b,"%", "alarm is on")
12
13     elif(a<30 and b<55):
14
15         print("Normal temprature and humidity of:",a,b,"%", "alarm is off")
16
17     break
```

The output console shows the program's execution results:

```
high temprature and humidity of: 65 97 % alarm is on
Normal temprature and humidity of: 11 33 % alarm is off

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

The bottom of the image shows a Windows taskbar with the search bar, task icons, and system tray information indicating 36°C, light rain, and the date 24-09-2022.