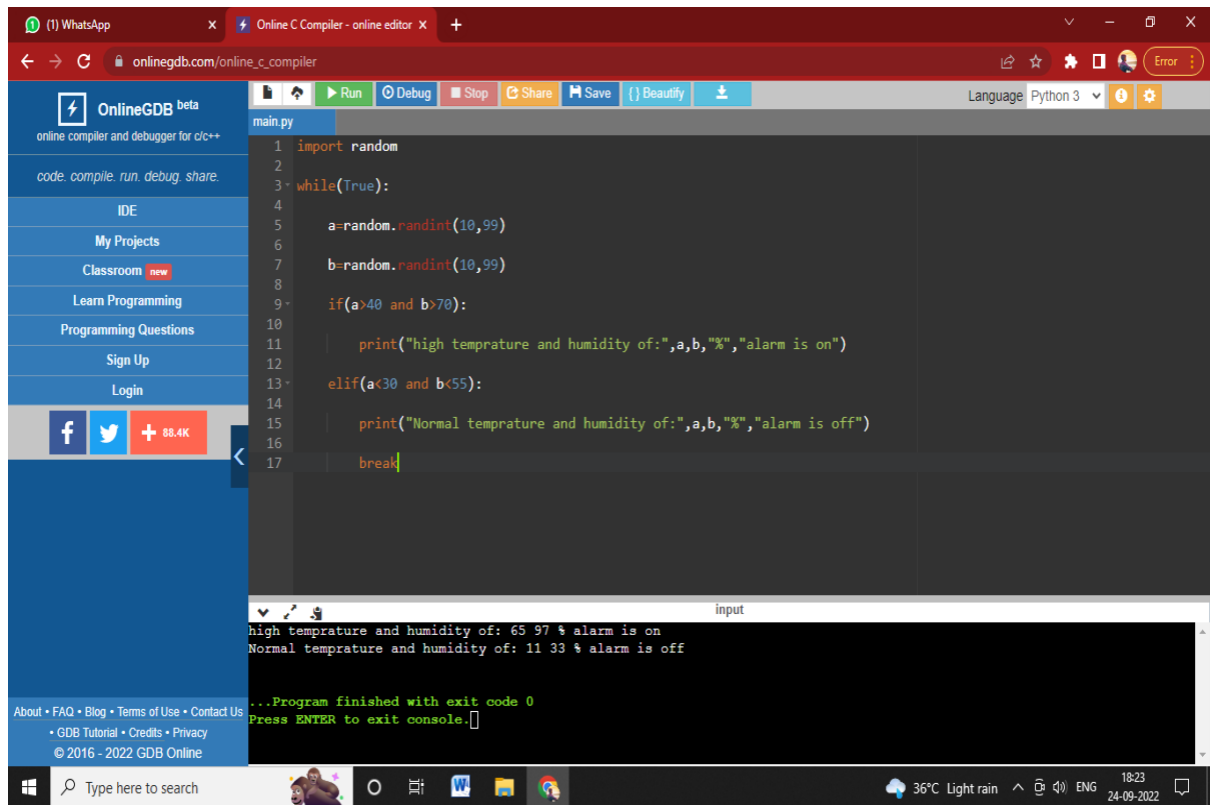


## IOT Assignment 2

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

Date	27 September 2022
Team ID	PNT2022TMID47947
Project Name	Project – Smart farmer - Iot enabled smart farming application.



The screenshot shows the OnlineGDB online compiler interface. The left sidebar contains navigation links: OnlineGDB beta, code, compile, run, debug, share, IDE, My Projects, Classroom (new), Learn Programming, Programming Questions, Sign Up, and Login. The main editor area displays a Python script named '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 at the bottom shows the 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 Windows taskbar at the bottom shows the date and time as 18:23 on 24-09-2022, and the weather as 36°C Light rain.

**Code:**

```
import random
```

```
while(True):
```

```
    a=random.randint(10,99)
```

```
b=random.randint(10,99)
if(a>40 and b>70):
    print("high temperature and humidity of:",a,b,"%","alarm is on")
elif(a<30 and b<55):
    print("Normal temperature and humidity of:",a,b,"%","alarm is off")
break
```