

ASSIGNMENT -2

(SUBMITTED BY SOUNDARYA S BATCH B7 1A3E-IOT)

```
import random

temp_startvalue=int(input("Enter the temp start value:"))

temp_endvalue=int(input("Enter the temp end value:"))

humid_startvalue=int(input("Enter the humid start value:"))

humid_endvalue=int(input("Enter the humid end value:"))

for i in range(0,20):

    n = random.randint(temp_startvalue,temp_endvalue)

    c=random.randint(humid_startvalue,humid_endvalue)

    print("\t")

    print(i+1,".Temperature is ",n,"degree")

    print(i+1,".Humidity value is ",c)

    if n>30 and c>30:

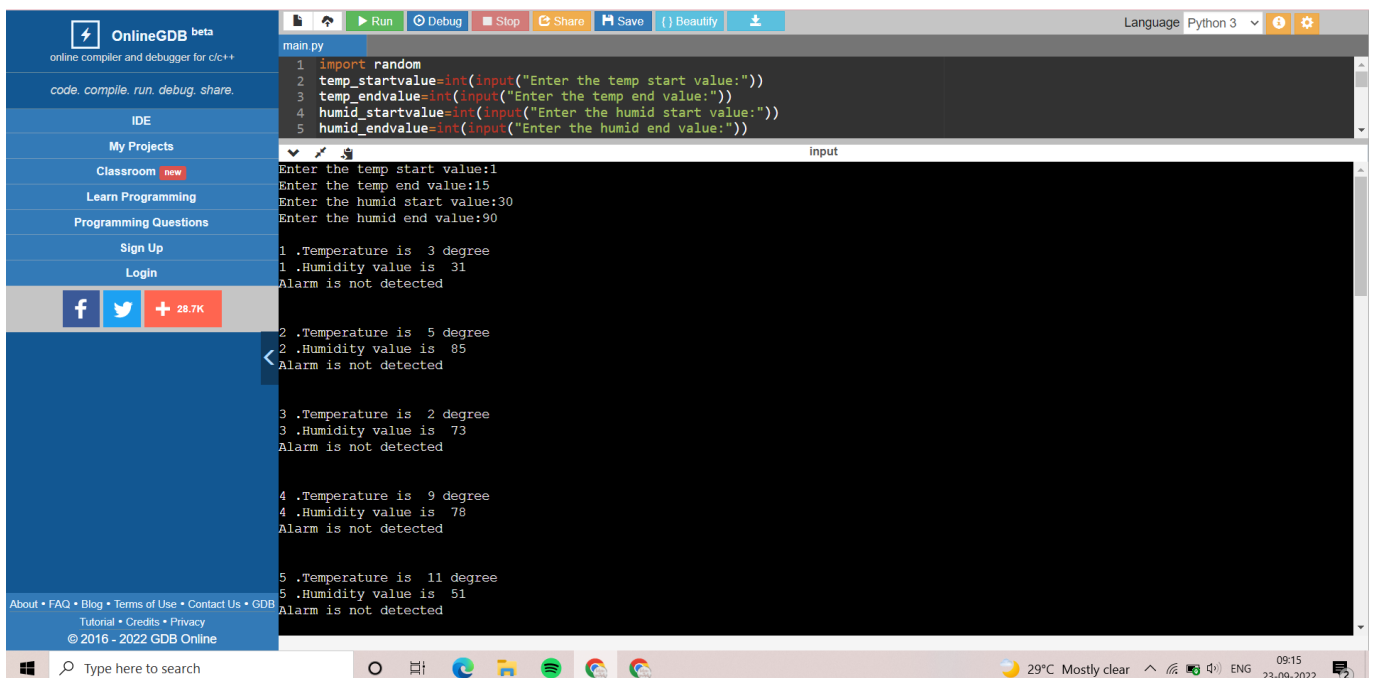
        print("Alarm is detected because of high temperature and humidity")

        print("\t")

    else:

        print("Alarm is not detected")

        print("\t");
```



The screenshot displays the OnlineGDB web interface. The left sidebar contains navigation links such as 'IDE', 'My Projects', 'Classroom', 'Learn Programming', 'Programming Questions', 'Sign Up', and 'Login'. The main area shows a Python script being executed. The code defines start and end values for temperature and humidity, then enters a loop that generates random values and prints them. It also includes a conditional check for an alarm. The output window shows the results of the first five iterations, all of which resulted in 'Alarm is not detected'.

```
main.py
1 import random
2 temp_startvalue=int(input("Enter the temp start value:"))
3 temp_endvalue=int(input("Enter the temp end value:"))
4 humid_startvalue=int(input("Enter the humid start value:"))
5 humid_endvalue=int(input("Enter the humid end value:"))

input
Enter the temp start value:1
Enter the temp end value:15
Enter the humid start value:30
Enter the humid end value:90

1 .Temperature is 3 degree
1 .Humidity value is 31
Alarm is not detected

2 .Temperature is 5 degree
2 .Humidity value is 85
Alarm is not detected

3 .Temperature is 2 degree
3 .Humidity value is 73
Alarm is not detected

4 .Temperature is 9 degree
4 .Humidity value is 78
Alarm is not detected

5 .Temperature is 11 degree
5 .Humidity value is 51
Alarm is not detected
```