

Assignment 2

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Maximum Marks	2 Marks

Smart Waste Management System for Metropolitan Cities

TEAM ID: PNT2022TMID04344

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Question 1:

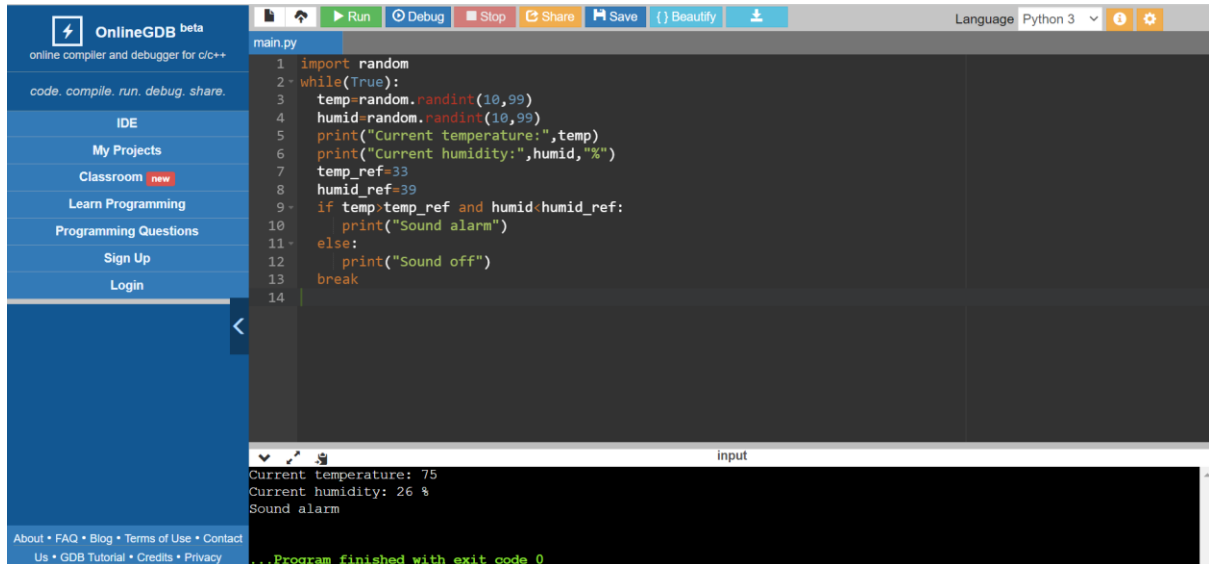
Build a python code, Assume u get temperature and humidity values (generated with random function to a variable) and write a condition to continuously detect alarm in case of high temperature.

Code:

```
import random
while(True):
    temp=random.randint(10,99)
    humid=random.randint(10,99)
    print("current temperature:",temp)
    print("current humidity:",humid,"%")
    temp_ref=37
    humid_ref=35
    if temp>temp_ref and humid<humid_ref:
        print("Sound alarm")
    else:
        print("Sound off")
```

break

Output:



The screenshot shows the OnlineGDB beta IDE interface. The left sidebar contains navigation links: 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 while(True):
3     temp=random.randint(10,99)
4     humid=random.randint(10,99)
5     print("Current temperature:",temp)
6     print("Current humidity:",humid,"%")
7     temp_ref=33
8     humid_ref=39
9     if temp>temp_ref and humid>humid_ref:
10         print("Sound alarm")
11     else:
12         print("Sound off")
13     break
14
```

The output console at the bottom shows the results of the program execution:

```
Current temperature: 75
Current humidity: 26 %
Sound alarm
...Program finished with exit code 0
```