

## ASSIGNMENT 2

|                     |   |
|---------------------|---|
| <b>Date</b>         | 19 September 2022                                     |
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| <b>Team ID</b>      | PNT2022TMID54350                                      |
| <b>Project Name</b> | Smart Waste Management System For Metropolitan Cities |

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):
```

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

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

```
if(a>35 and b>60):
```

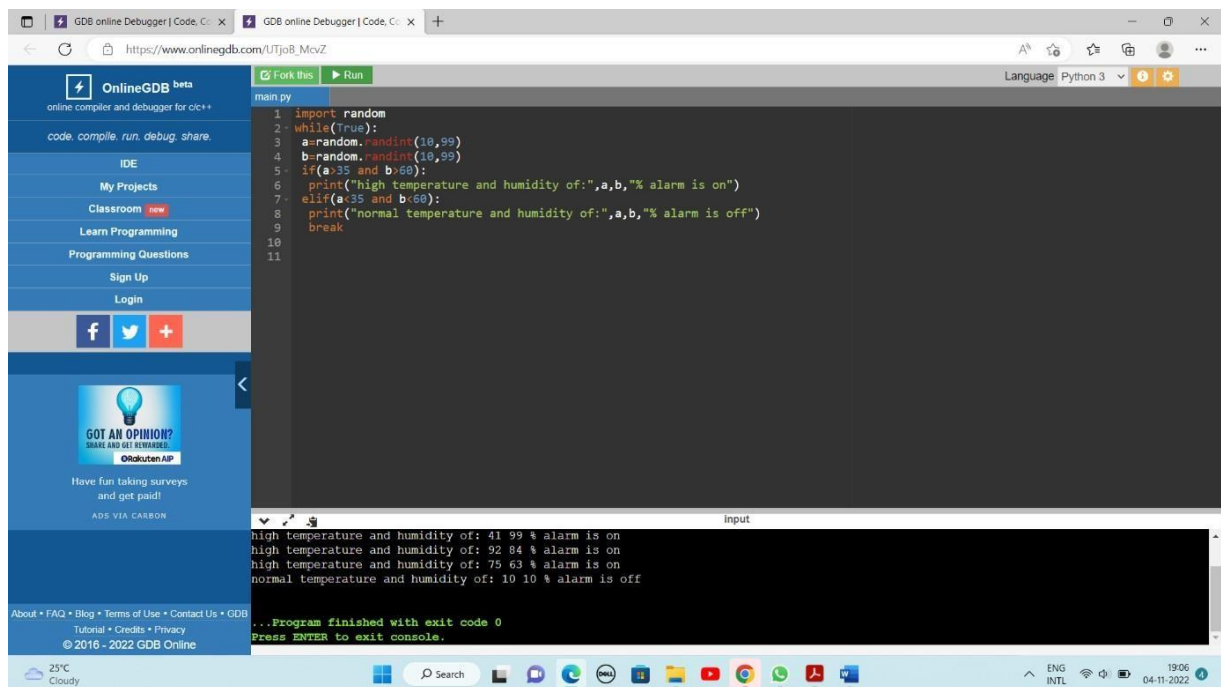
```
print("high temperature and humidity of:",a,b,"% alarm is on")
```

```
elif(a<35 and b<60):
```

```
print("normal temperature and humidity of:",a,b,"% alarm is off")
```

```
break
```

## Output:



The screenshot shows the OnlineGDB web interface. On the left is a sidebar with navigation links: OnlineGDB beta, 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 plus sign. A banner for 'GOT AN OPINION?' is also visible. The main area displays a Python script named 'main.py' with the following code:

```
1 import random
2 while True:
3     a=random.randint(10,99)
4     b=random.randint(10,99)
5     if(a>35 and b>50):
6         print("high temperature and humidity of:",a,b,"% alarm is on")
7     elif(a<35 and b<50):
8         print("normal temperature and humidity of:",a,b,"% alarm is off")
9     break
10
11
```

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

```
high temperature and humidity of: 41 99 % alarm is on
high temperature and humidity of: 92 84 % alarm is on
high temperature and humidity of: 75 63 % alarm is on
normal temperature and humidity of: 10 10 % alarm is off
...Program finished with exit code 0
Press ENTER to exit console.
```

The browser's address bar shows the URL: [https://onlinegdb.com/UTjoB\\_McvZ](https://onlinegdb.com/UTjoB_McvZ). The bottom of the image shows a Windows taskbar with various application icons and system information like temperature (23°C) and date (04-11-2022).

[https://onlinegdb.com/UTjoB\\_McvZ](https://onlinegdb.com/UTjoB_McvZ)