

PYTHON CODE TO GET TEMPERATURE AND HUMIDITY (Generated with random function to a variable)

```
import random
```

```
from time import *
```

```
flag=True
```

```
while(flag):
```

```
    t=random.randint(0,40)
```

```
    h=random.randint(10,70)
```

```
    if t>5 and h<50:
```

```
        print("Temperature=",t,"Humidity=",h)
```

```
        print("ALARM ON")
```

```
        flag=False
```

```
    else:
```

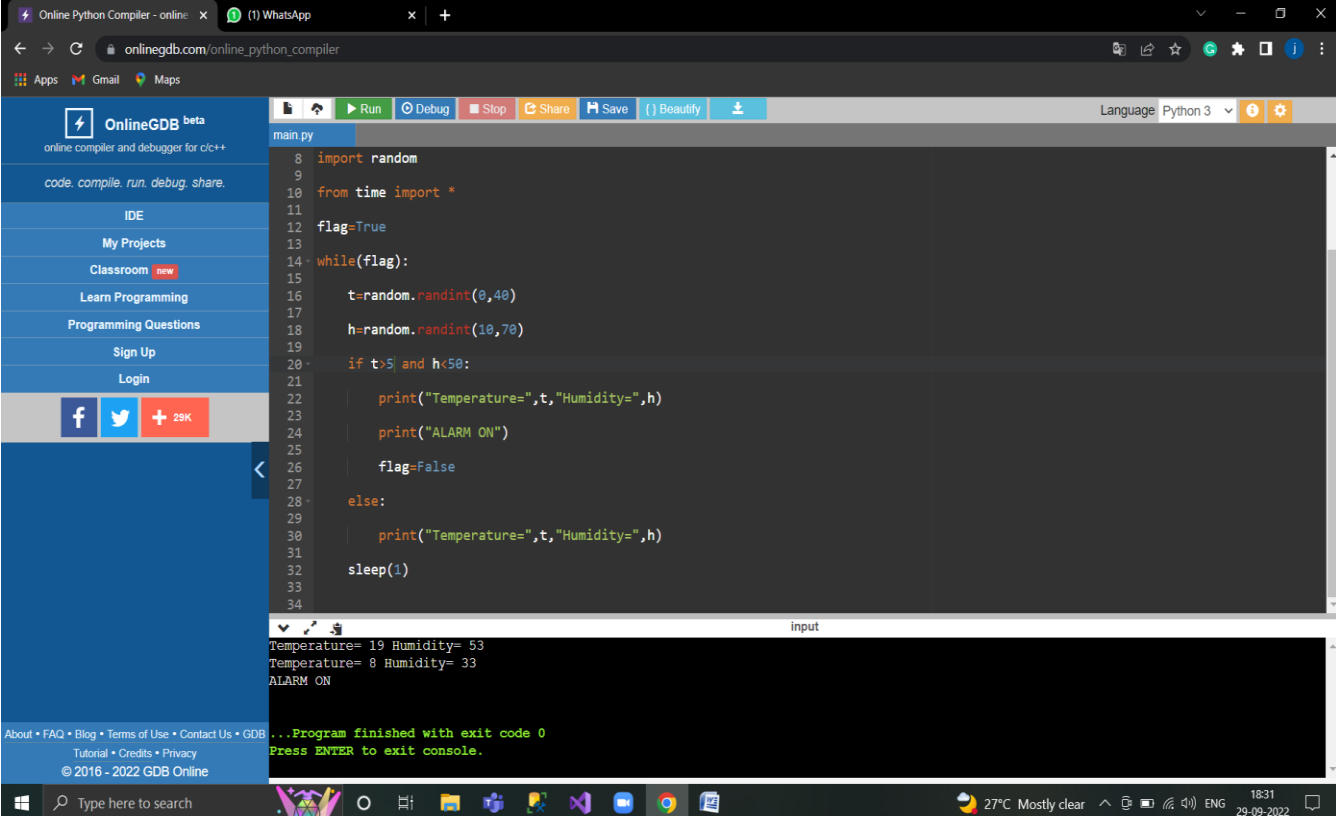
```
        print("Temperature=",t,"Humidity=",h)
```

```
    sleep(1)
```

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OUTPUT :



The screenshot displays the OnlineGDB web 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 shows a Python script named 'main.py' with the following code:

```
8 import random
9
10 from time import *
11
12 flag=True
13
14 while(flag):
15     t=random.randint(0,40)
16     h=random.randint(10,70)
17
18     if t>5 and h<50:
19         print("Temperature=",t,"Humidity=",h)
20         print("ALARM ON")
21         flag=False
22     else:
23         print("Temperature=",t,"Humidity=",h)
24
25     sleep(1)
26
27
28
29
30
31
32
33
34
```

The output console at the bottom shows the following results:

```
Temperature= 19 Humidity= 53
Temperature= 8 Humidity= 33
ALARM ON
...Program finished with exit code 0
Press ENTER to exit console.
```

The browser's taskbar at the bottom shows the Windows logo, a search bar, and various application icons. The system tray on the right indicates a temperature of 27°C, mostly clear weather, and the time 18:31 on 29-09-2022.