

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")

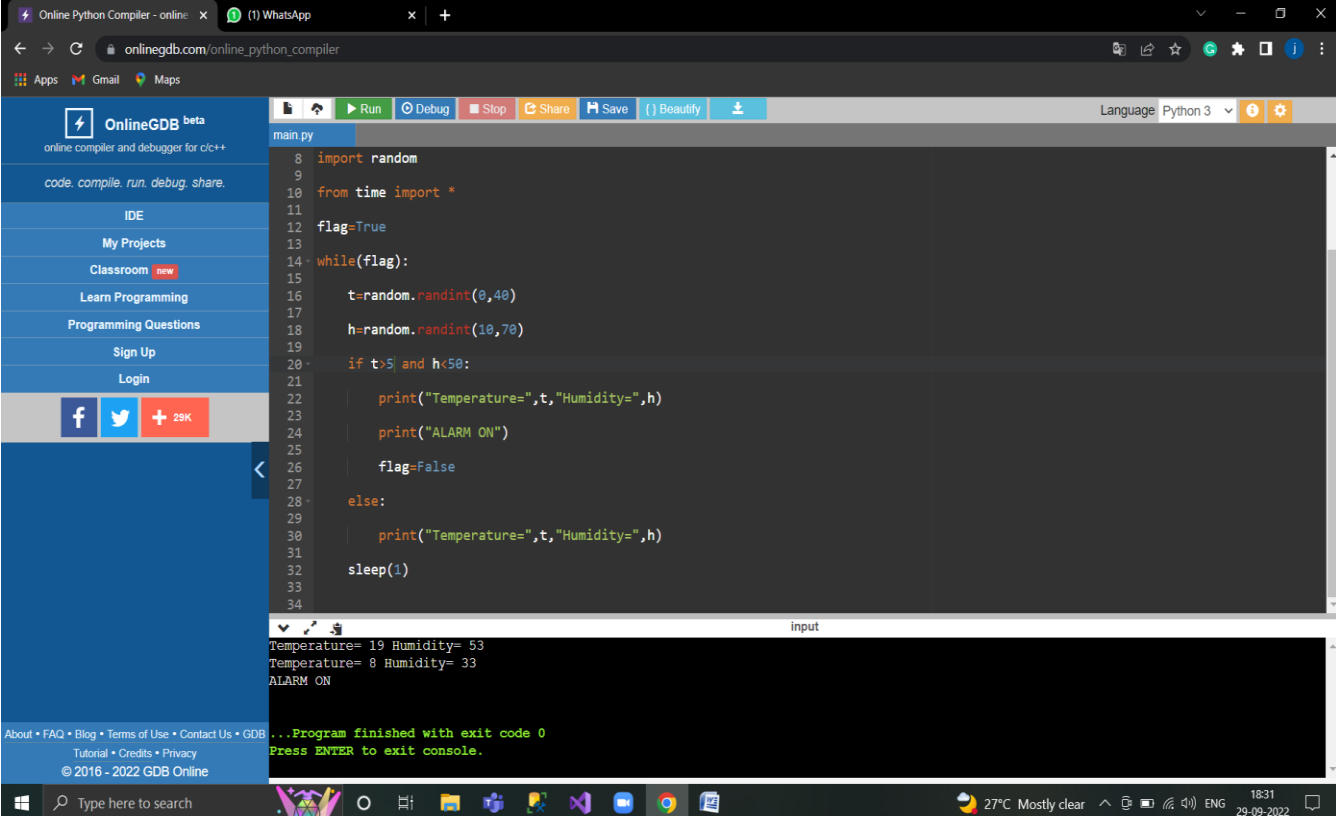
        flag=False

    else:

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

        sleep(1)
```

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:

```
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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 shows the following results:

```
Temperature= 19 Humidity= 53
Temperature= 8 Humidity= 33
ALARM ON
```

The program finished with exit code 0. The bottom status bar indicates the system temperature is 27°C, mostly clear, and the time is 18:31 on 29-09-2022.