

## ASSIGNMENT 2

Date	27 September 2022
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**Build a python code, assume you get temperature and humidity values (generated with random function to a variable) and write a condition continuously detect alarm in case of high temperature.**

### PROGRAM

```
import random

while(True):

    t=random.randint(0,50)

    h=random.randint(20,90)

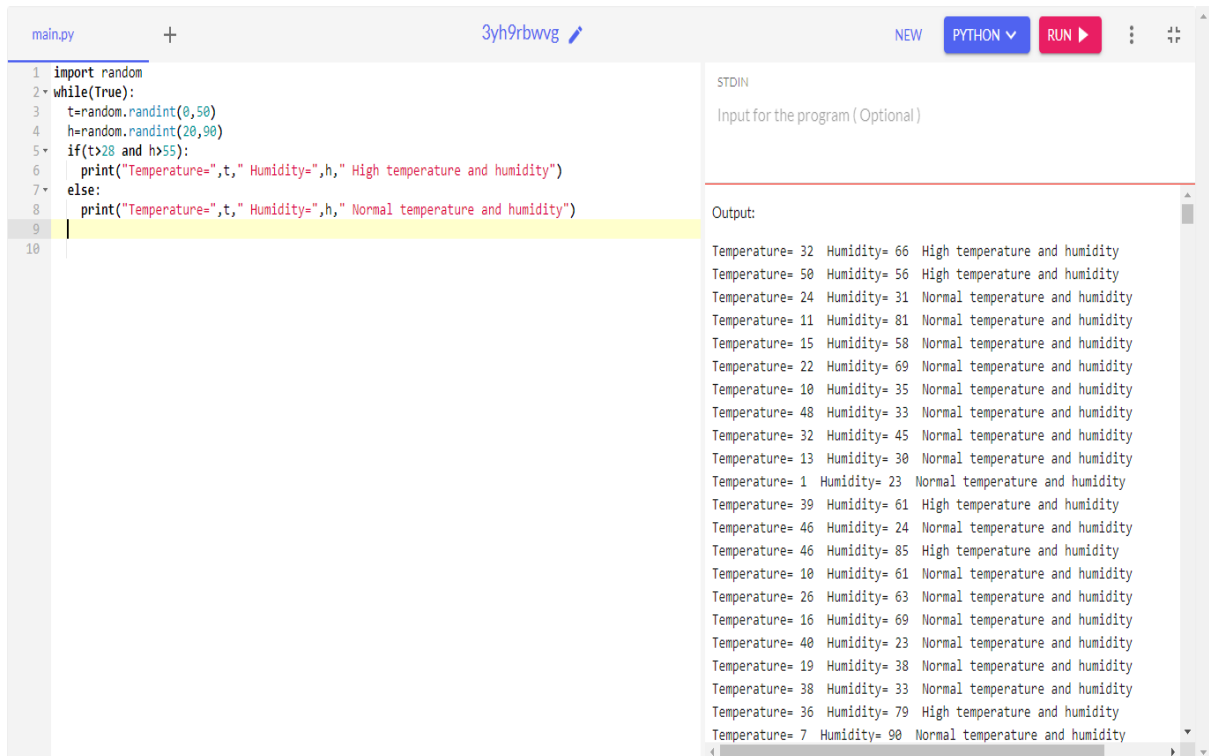
    if(t>28 and h>55):

        print("Temperature=",t," Humidity=",h," High temperature and humidity")

    else:

        print("Temperature=",t," Humidity=",h," Normal temperature and humidity")
```

### OUTPUT



The screenshot shows a Python IDE with a file named 'main.py'. The code is as follows:

```
1 import random
2 while(True):
3     t=random.randint(0,50)
4     h=random.randint(20,90)
5     if(t>28 and h>55):
6         print("Temperature=",t," Humidity=",h," High temperature and humidity")
7     else:
8         print("Temperature=",t," Humidity=",h," Normal temperature and humidity")
9
10
```

The output window shows the following results:

```
STDIN
Input for the program ( Optional )

Output:
Temperature= 32 Humidity= 66 High temperature and humidity
Temperature= 50 Humidity= 56 High temperature and humidity
Temperature= 24 Humidity= 31 Normal temperature and humidity
Temperature= 11 Humidity= 81 Normal temperature and humidity
Temperature= 15 Humidity= 58 Normal temperature and humidity
Temperature= 22 Humidity= 69 Normal temperature and humidity
Temperature= 10 Humidity= 35 Normal temperature and humidity
Temperature= 48 Humidity= 33 Normal temperature and humidity
Temperature= 32 Humidity= 45 Normal temperature and humidity
Temperature= 13 Humidity= 30 Normal temperature and humidity
Temperature= 1 Humidity= 23 Normal temperature and humidity
Temperature= 39 Humidity= 61 High temperature and humidity
Temperature= 46 Humidity= 24 Normal temperature and humidity
Temperature= 46 Humidity= 85 High temperature and humidity
Temperature= 10 Humidity= 61 Normal temperature and humidity
Temperature= 26 Humidity= 63 Normal temperature and humidity
Temperature= 16 Humidity= 69 Normal temperature and humidity
Temperature= 40 Humidity= 23 Normal temperature and humidity
Temperature= 19 Humidity= 38 Normal temperature and humidity
Temperature= 38 Humidity= 33 Normal temperature and humidity
Temperature= 36 Humidity= 79 High temperature and humidity
Temperature= 7 Humidity= 90 Normal temperature and humidity
```