

**RMK College of Engineering and  
Technology  
IBM Nalaiya Thiran**

**Assignment - 2**

Build a python code, assume you get temperature and humidity values (generated with random functions to a variable) and write a condition to continuously detect alarm in case of high temperature

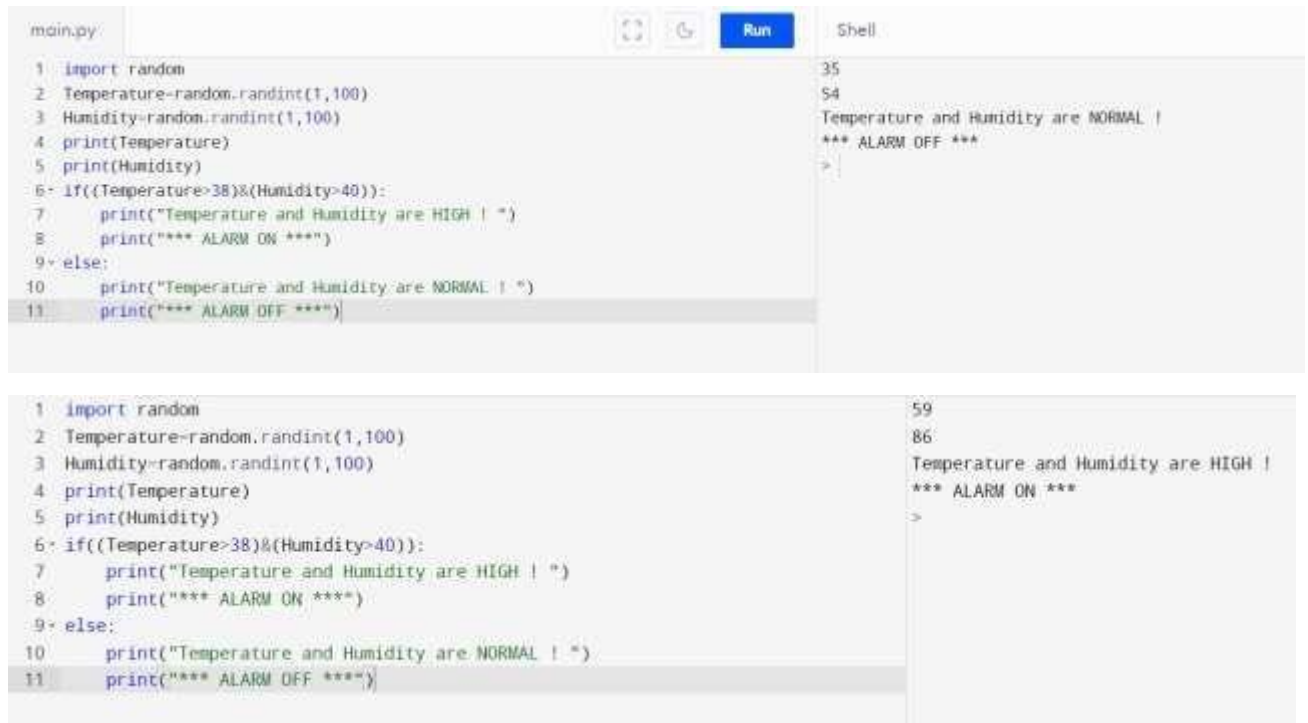
**Code :**

```
import random

Temperature=random.randint(1,100)
Humidity=random.randint(1,100)
print(Temperature)
print(Humidity)

if ((Temperature>38)&(Humidity>40)):
    print("Temperature and Humidity are HIGH ! ")
    print("*** ALARM ON ***")
else:
    print("Temperature and Humidity are NORMAL ! ")
    print("*** ALARM OFF ***")
```

## Output:



The image displays two screenshots of a Python IDE, likely PyCharm, showing the execution of a script named `main.py`. The script generates random temperature and humidity values and prints a message based on their sum.

**Top Screenshot:**

- Code (lines 1-11):**

```
1 import random
2 Temperature=random.randint(1,100)
3 Humidity=random.randint(1,100)
4 print(Temperature)
5 print(Humidity)
6 if((Temperature>38)&(Humidity>40)):
7     print("Temperature and Humidity are HIGH ! ")
8     print("*** ALARM ON ***)
9 else:
10    print("Temperature and Humidity are NORMAL ! ")
11    print("*** ALARM OFF ***)
```
- Shell Output:**

```
35
54
Temperature and Humidity are NORMAL !
*** ALARM OFF ***
>
```

**Bottom Screenshot:**

- Code (lines 1-11):** (Identical to the top screenshot)
- Shell Output:**

```
59
86
Temperature and Humidity are HIGH !
*** ALARM ON ***
>
```

done by:  
S.KANISHKA  
11161910605  
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