

Assignment 2

Date	29-sep-2022
Name	Vikashini.A
Register number	814419106006

CODE:

```
import random
from time import sleep

while True:
    sleep(5)
    temperature = random.randrange(0, 200, 3)
    print("\nCurrent Temperature =",temperature,end="°C\n")
    humidity = random.randrange(0, 100, 6)
    print("Current Humidity  =",humidity,end="%\n\n")
    if temperature >=38:
        print("Temperature >> High - Alarm ON")
    if humidity >= 75:
        print("Humidity >> High - Alarm ON")
    if temperature <=38:
        print("Temperature >> Low - Alarm OFF")
    if humidity <= 75:
        print("Humidity >> Low - Alarm OFF")
```

OUTPUT:

main.py

Run

Clear

```
1 # Online Python compiler (interpreter) to run Python online.
2 # Write Python 3 code in this online editor and run it.
3 import random
4 from time import sleep
5
6 while True:
7     sleep(5)
8     temperature = random.randrange(0, 200, 3)
9     print("\nCurrent Temperature =",temperature,end="°C\n")
10    humidity = random.randrange(0, 100, 6)
11    print("Current Humidity    =",humidity,end="%\n\n")
12    if temperature >=38:
13        print("Temperature >> High - Alarm ON")
14    if humidity >= 75:
15        print("Humidity    >> High - Alarm ON")
16    if temperature <=38:
17        print("Temperature >> Low - Alarm OFF")
18    if humidity <= 75:
19        print("Humidity    >> Low - Alarm OFF")
```

```
Current Temperature = 69°C
Current Humidity    = 48%

Temperature >> High - Alarm ON
Humidity    >> Low - Alarm OFF
Current Temperature = 147°C
Current Humidity    = 18%

Temperature >> High - Alarm ON
Humidity    >> Low - Alarm OFF
Current Temperature = 117°C
Current Humidity    = 12%

Temperature >> High - Alarm ON
Humidity    >> Low - Alarm OFF
```