

## PROGRAM:

```
import random

from time import sleep

def generate_values():

    temperature = random.randint(20, 60)

    humidity = random.randint(20, temperature)

    return humidity, temperature

humidity = temperature = 0

while temperature < 50:

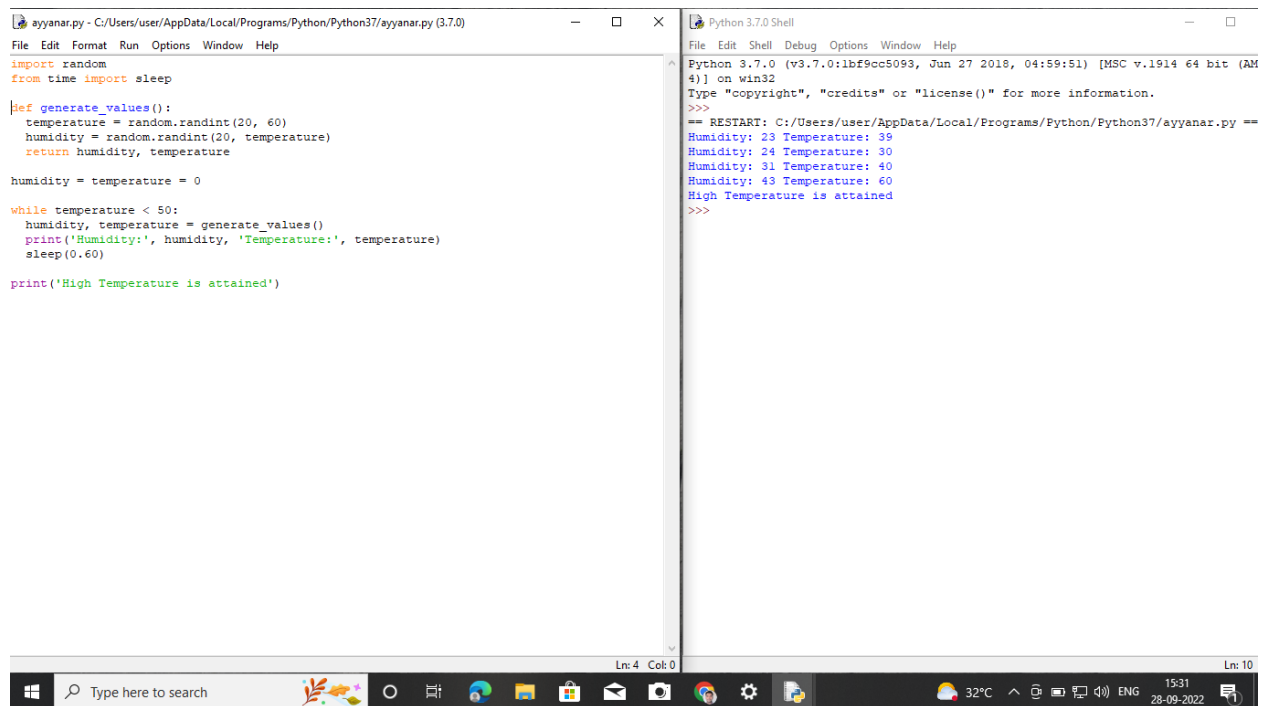
    humidity, temperature = generate_values()

    print('Humidity:', humidity, 'Temperature:', temperature)

    sleep(0.60)

print('High Temperature is attained')
```

## OUTPUT:



The image shows a screenshot of a Python IDE with two windows. The left window, titled 'ayyanar.py - C:/Users/user/AppData/Local/Programs/Python/Python37/ayyanar.py (3.7.0)', contains the following Python code:

```
import random
from time import sleep

def generate_values():
    temperature = random.randint(20, 60)
    humidity = random.randint(20, temperature)
    return humidity, temperature

humidity = temperature = 0

while temperature < 50:
    humidity, temperature = generate_values()
    print('Humidity:', humidity, 'Temperature:', temperature)
    sleep(0.60)

print('High Temperature is attained')
```

The right window, titled 'Python 3.7.0 Shell', shows the output of the script:

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AM
4)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
== RESTART: C:/Users/user/AppData/Local/Programs/Python/Python37/ayyanar.py ==
Humidity: 23 Temperature: 39
Humidity: 24 Temperature: 30
Humidity: 31 Temperature: 40
Humidity: 43 Temperature: 60
High Temperature is attained
>>>
```

The Windows taskbar at the bottom shows the system clock as 15:31 on 28-09-2022, with a temperature of 32°C.