

```
import random

from time import sleep


def generate_values():

    temperature = random.randint(10, 50)

    humidity = random.randint(10, temperature)

    return humidity, temperature


humidity = temperature = 0

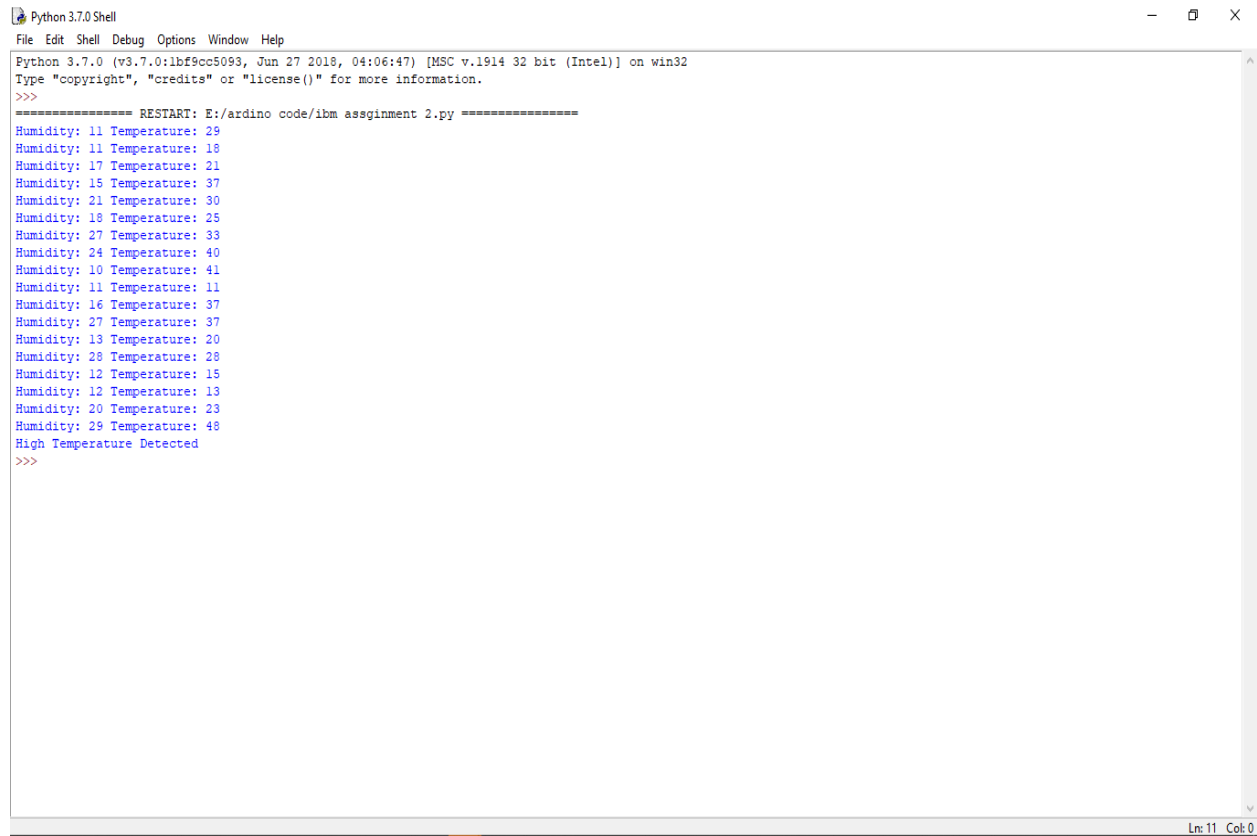

while temperature < 45:

    humidity, temperature = generate_values()

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

    sleep(0.50)
```

```
print('High Temperature Detected')
```

A screenshot of a Python 3.7.0 Shell window. The window has a title bar with a Python logo and the text 'Python 3.7.0 Shell'. Below the title bar is a menu bar with 'File', 'Edit', 'Shell', 'Debug', 'Options', 'Window', and 'Help'. The main area of the window displays the output of a Python script. It starts with a copyright notice for Python 3.7.0. Then, after a restart, it shows a series of lines representing sensor data: 'Humidity: 11 Temperature: 29', 'Humidity: 11 Temperature: 18', 'Humidity: 17 Temperature: 21', 'Humidity: 15 Temperature: 37', 'Humidity: 21 Temperature: 30', 'Humidity: 18 Temperature: 25', 'Humidity: 27 Temperature: 33', 'Humidity: 24 Temperature: 40', 'Humidity: 10 Temperature: 41', 'Humidity: 11 Temperature: 11', 'Humidity: 16 Temperature: 37', 'Humidity: 27 Temperature: 37', 'Humidity: 13 Temperature: 20', 'Humidity: 28 Temperature: 28', 'Humidity: 12 Temperature: 15', 'Humidity: 12 Temperature: 13', 'Humidity: 20 Temperature: 23', and 'Humidity: 29 Temperature: 48'. The final line of output is 'High Temperature Detected'. The window ends with a status bar at the bottom right showing 'Ln: 11 Col: 0'.

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:06:47) [MSC v.1914 32 bit (Intel)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: E:/ardino code/ibm assginment 2.py =====
Humidity: 11 Temperature: 29
Humidity: 11 Temperature: 18
Humidity: 17 Temperature: 21
Humidity: 15 Temperature: 37
Humidity: 21 Temperature: 30
Humidity: 18 Temperature: 25
Humidity: 27 Temperature: 33
Humidity: 24 Temperature: 40
Humidity: 10 Temperature: 41
Humidity: 11 Temperature: 11
Humidity: 16 Temperature: 37
Humidity: 27 Temperature: 37
Humidity: 13 Temperature: 20
Humidity: 28 Temperature: 28
Humidity: 12 Temperature: 15
Humidity: 12 Temperature: 13
Humidity: 20 Temperature: 23
Humidity: 29 Temperature: 48
High Temperature Detected
>>>
Ln: 11 Col: 0
```