

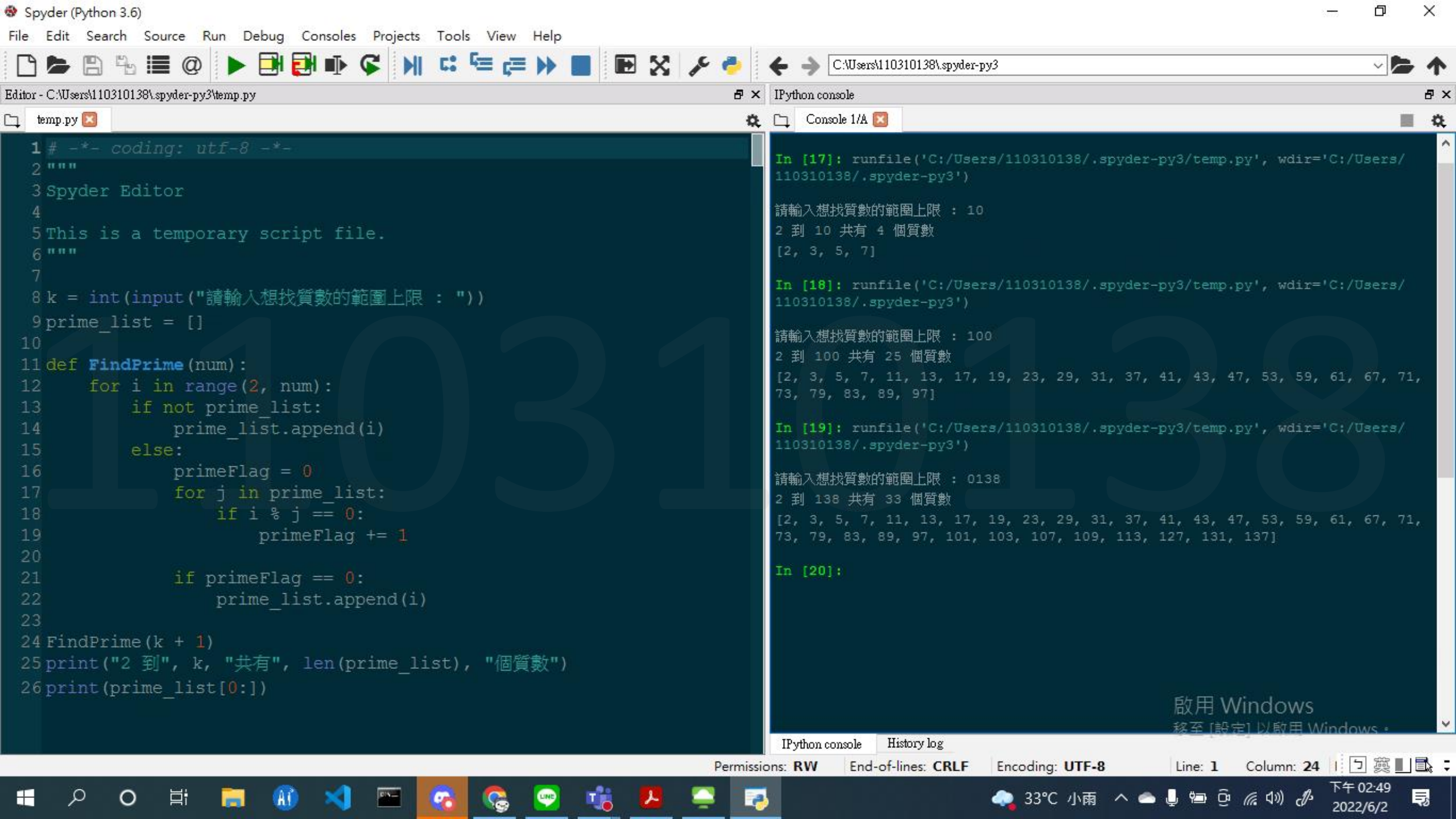
# Object Oriented Programming

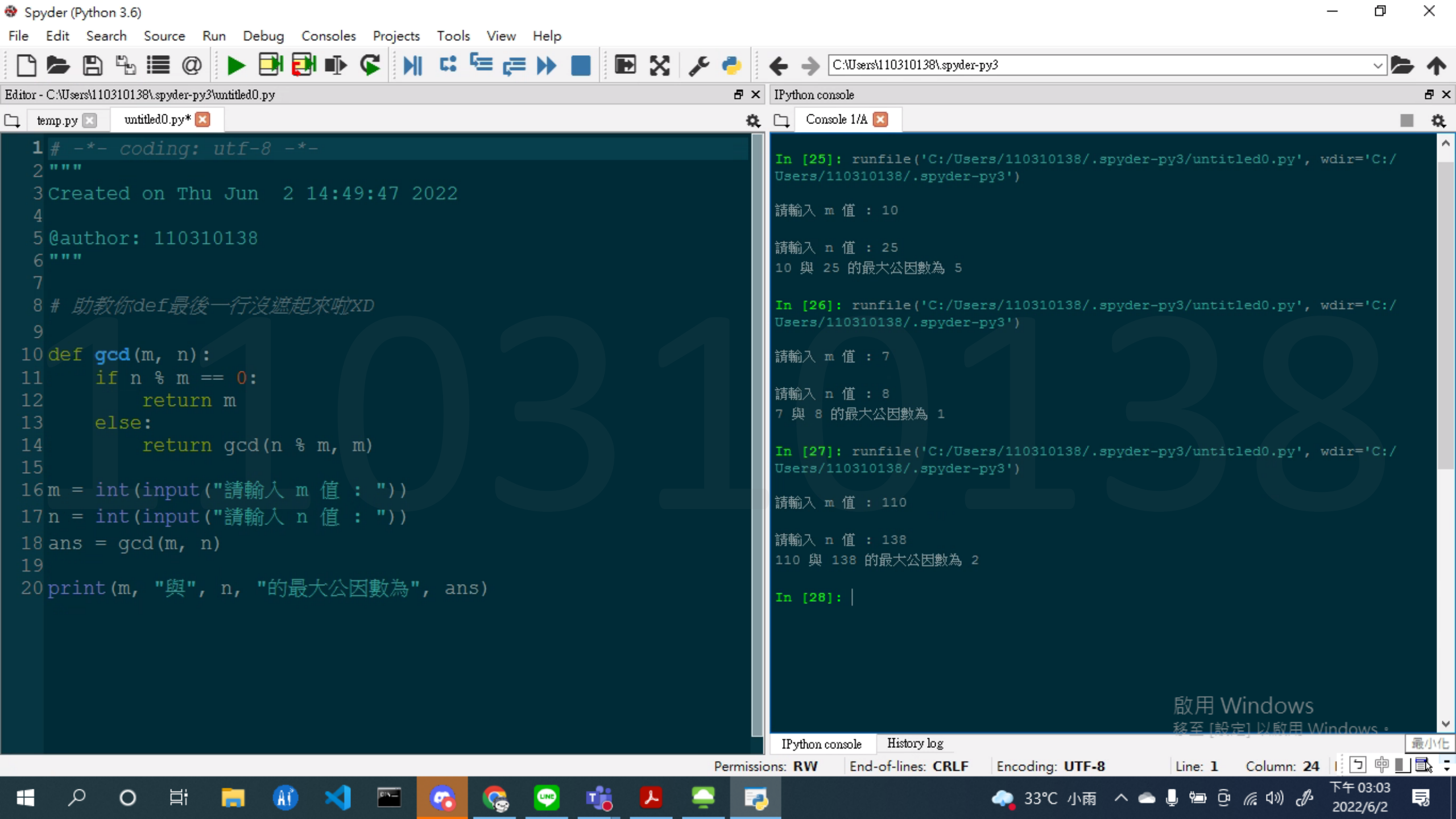
## Python - Function

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```
Spyder (Python 3.6)
File Edit Search Source Run Debug Consoles Projects Tools View Help
temp.py untyped0.py*
1 # -*- coding: utf-8 -*-
2 """
3 Created on Thu Jun  2 14:49:47 2022
4
5 @author: 110310138
6 """
7
8 # 助教你def最後一行沒遮起來啦XD
9
10 def gcd(m, n):
11     if n % m == 0:
12         return m
13     else:
14         return gcd(n % m, m)
15
16 m = int(input("請輸入 m 值 : "))
17 n = int(input("請輸入 n 值 : "))
18 ans = gcd(m, n)
19
20 print(m, "與", n, "的最大公因數為", ans)

In [25]: runfile('C:/Users/110310138/.spyder-py3/untitled0.py', wdir='C:/
Users/110310138/.spyder-py3')

請輸入 m 值 : 10

請輸入 n 值 : 25
10 與 25 的最大公因數為 5

In [26]: runfile('C:/Users/110310138/.spyder-py3/untitled0.py', wdir='C:/
Users/110310138/.spyder-py3')

請輸入 m 值 : 7

請輸入 n 值 : 8
7 與 8 的最大公因數為 1

In [27]: runfile('C:/Users/110310138/.spyder-py3/untitled0.py', wdir='C:/
Users/110310138/.spyder-py3')

請輸入 m 值 : 110

請輸入 n 值 : 138
110 與 138 的最大公因數為 2

In [28]: |

Permissions: RW End-of-lines: CRLF Encoding: UTF-8 Line: 1 Column: 24
33°C 小雨 下午 03:03 2022/6/2
```