

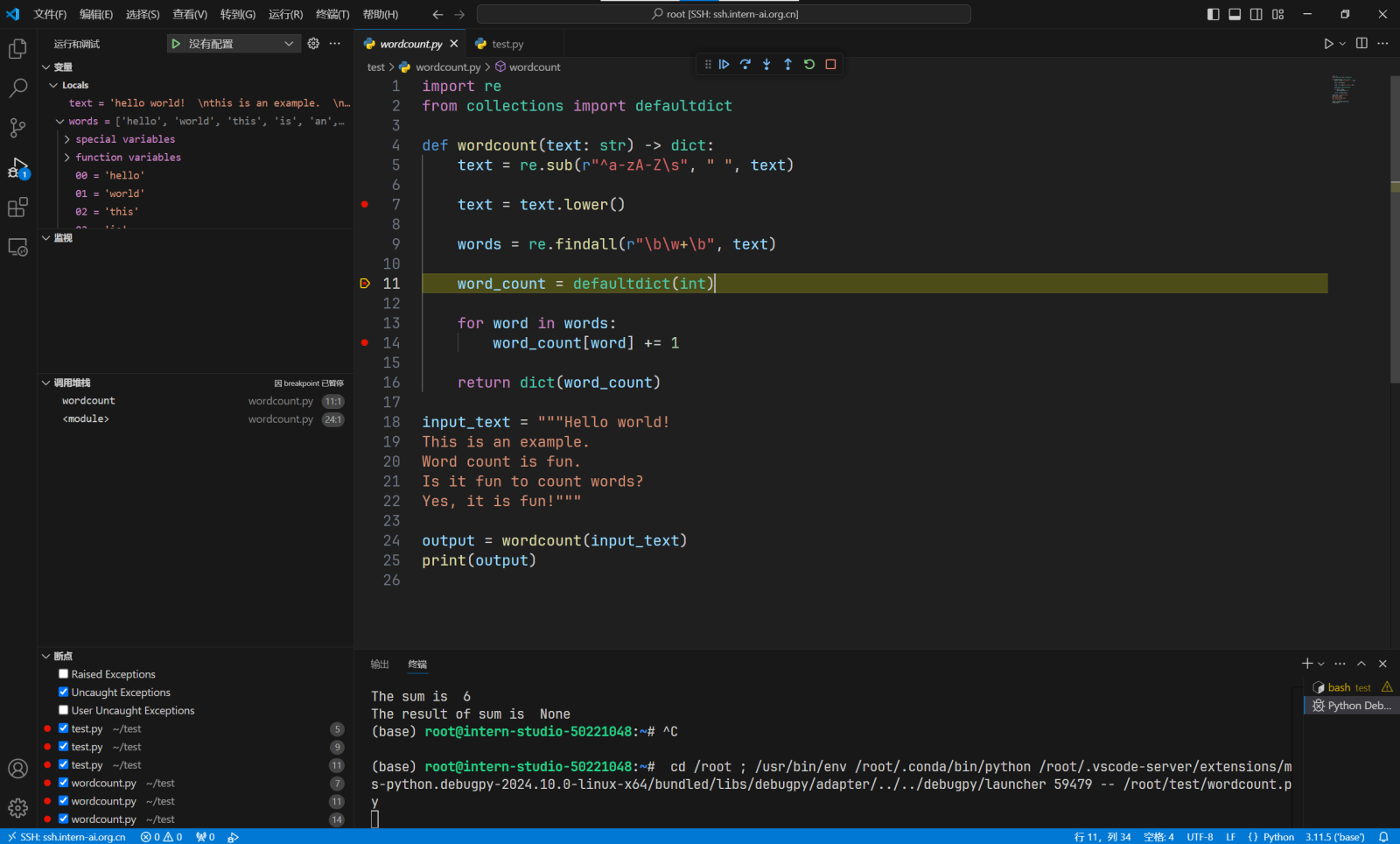
# Python基础

wordcount.py:

```
1 import re
2 from collections import defaultdict
3
4 def wordcount(text: str) -> dict:
5     text = re.sub(r"^a-zA-Z\s", " ", text)
6
7     text = text.lower()
8
9     words = re.findall(r"\b\w+\b", text)
10
11    word_count = defaultdict(int)
12
13    for word in words:
14        word_count[word] += 1
15
16    return dict(word_count)
17
18 input_text = """Hello world!
19 This is an example.
20 Word count is fun.
21 Is it fun to count words?
22 Yes, it is fun!"""
23
24 output = wordcount(input_text)
25 print(output)
26
```

## Debug

设置断点并启动调试:



进入循环查看变量：

文件(F) 编辑(E) 选择(S) 查看(V) 转到(G) 运行(R) 终端(T) 帮助(H)

root [SSH: ssh.intern-ai.org.cn]

wordcount.py x test.py

test > wordcount.py > wordcount

变量

运行和调试

没有配置

wordcount.py

test

wordcount

1 import re

2 from collections import defaultdict

3

4 def wordcount(text: str) -> dict:

5 text = re.sub(r"^[a-zA-Z\s]", " ", text)

6

7 text = text.lower()

8

9 words = re.findall(r"\b\w+\b", text)

10

11 word\_count = defaultdict(int)

12

13 for word in words:

14 word\_count[word] += 1

15

16 return dict(word\_count)

17

18 input\_text = """Hello world!

19 This is an example.

20 Word count is fun.

21 Is it fun to count words?

22 Yes, it is fun!"""

23

24 output = wordcount(input\_text)

25 print(output)

26

输出 终端

The sum is 6

The result of sum is None

(base) root@intern-studio-50221048:~# ^C

(base) root@intern-studio-50221048:~# cd /root ; /usr/bin/env /root/.conda/bin/python /root/.vscode-server/extensions/m

s-python.debugpy-2024.10.0-linux-x64/bundled/libs/debugpy/adapter/../../debugpy/launcher 59479 -- /root/test/wordcount.p

y

Locals

text = 'hello world! \nthis is an example. \n...

word = 'is'

> word\_count = defaultdict(

> words = ['hello', 'world', 'this', 'is', 'an', ...

> special variables

> function variables

00 = 'hello'

01 = 'world'

02 = 'this'

03 = 'is'

04 = 'an'

05 = 'example'

06 = 'word'

07 = 'count'

08 = 'is'

09 = 'fun'

10 = 'is'

11 = 'it'

12 = 'fun'

13 = 'to'

14 = 'count'

15 = 'words'

16 = 'yes'

17 = 'it'

18 = 'is'

19 = 'fun'

len() = 20

Globals

> special variables

> function variables

> class variables

input\_text = 'Hello world! \nthis is an exampl...

> re = <module 're' from '/root/.conda/lib/python...

调试

调用堆栈

因 breakpoint 已暂停

断点

SSH: ssh.intern-ai.org.cn

0 0 0

行 16, 列 28 空格 4 UTF-8 LF {} Python 3.11.5 (base)