

- 1、fork 并 clone 到本地，同时创建 environment.yml 文件，创建环境（可以从 week04 文件夹复制过去，注意要在 repo 文件夹里创建环境）

```
MINGW64: c:/Users/16386/rep x + v
drwxr-xr-x 1 16386 197609 0 3月 28 17:35 week04/

(base) 16386@  MINGW64 ~
$ cd repo

(base) 16386@  MINGW64 ~/repo
$ ls -l
total 8
drwxr-xr-x 1 16386 197609 0 3月 22 16:47 myproject/
drwxr-xr-x 1 16386 197609 0 3月 15 18:23 mywork/
drwxr-xr-x 1 16386 197609 0 3月 22 15:26 prj1/
drwxr-xr-x 1 16386 197609 0 3月 28 09:21 week04/

(base) 16386@  MINGW64 ~/repo
$ pwd
/c/Users/16386/repo

(base) 16386@  MINGW64 ~/repo
$ git clone git@gitcode.com:niuwen123/week05.git
Cloning into 'week05'...
remote: Enumerating objects: 5, done.
remote: Counting objects: 100% (5/5), done.
remote: Compressing objects: 100% (5/5), done.
remote: Total 5 (delta 0), reused 5 (delta 0), pack-reused 0 (from 0)
Receiving objects: 100% (5/5), 8.44 KiB | 4.22 MiB/s, done.

(base) 16386@  MINGW64 ~/repo
$ ls -l
total 8
drwxr-xr-x 1 16386 197609 0 3月 22 16:47 myproject/

MINGW64: c:/Users/16386/rep x + v
drwxr-xr-x 1 16386 197609 0 4月 7 08:12 week05/

(base) 16386@  MINGW64 ~/repo
$ cd week05

(base) 16386@  MINGW64 ~/repo/week05 (main)
$ pwd
/c/Users/16386/repo/week05

(base) 16386@  MINGW64 ~/repo/week05 (main)
$ cat week04/environment.yml
cat: week04/environment.yml: No such file or directory

(base) 16386@  MINGW64 ~/repo/week05 (main)
$ cp week04/environment.yml week05/
cp: cannot stat 'week04/environment.yml': No such file or directory

(base) 16386@  MINGW64 ~/repo/week05 (main)
$ cd ..

(base) 16386@  MINGW64 ~/repo
$ cat week04/environment.yml
name: week04
channels:
  - conda-forge
dependencies:
  - python=3.12
  - wat-inspector
(base) 16386@  MINGW64 ~/repo
$ cp week04/environment.yml week05/

- wat-inspector
(base) 16386@  MINGW64 ~/repo
$ cp week04/environment.yml week05/

(base) 16386@  MINGW64 ~/repo
$ cd week05
done
#
# To activate this environment, use
#
#   $ conda activate week05
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(base) 16386@  MINGW64 ~/repo/week05 (main)
$
```

2、创建 use_of_str.py 文件, 全局作用域里输入代码(过程中用 print()将表达式输出到终端)

id(): 返回对象在虚拟内存中的地址

type(): 返回对象的类型

isinstance(): 判断对象是否属于某个类型

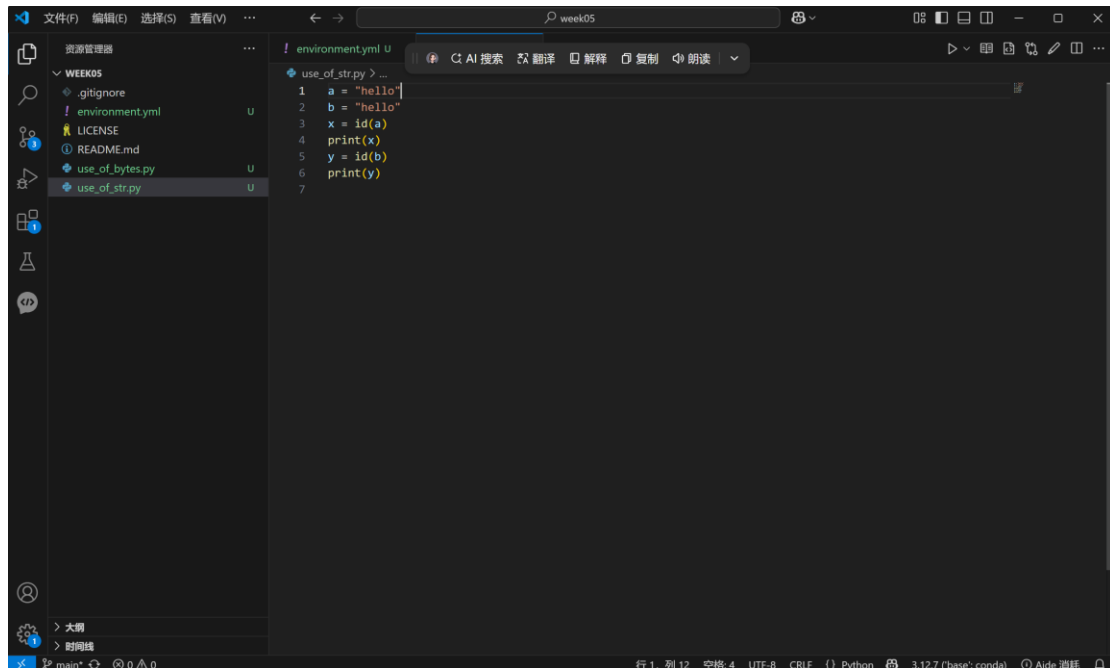
dir(): 返回对象所支持的属性的名称列表

str(): 返回对象 print 时要显示在终端的字符串

assert 语句: 查验某个表达式为真, 否则显示“AssertionError”

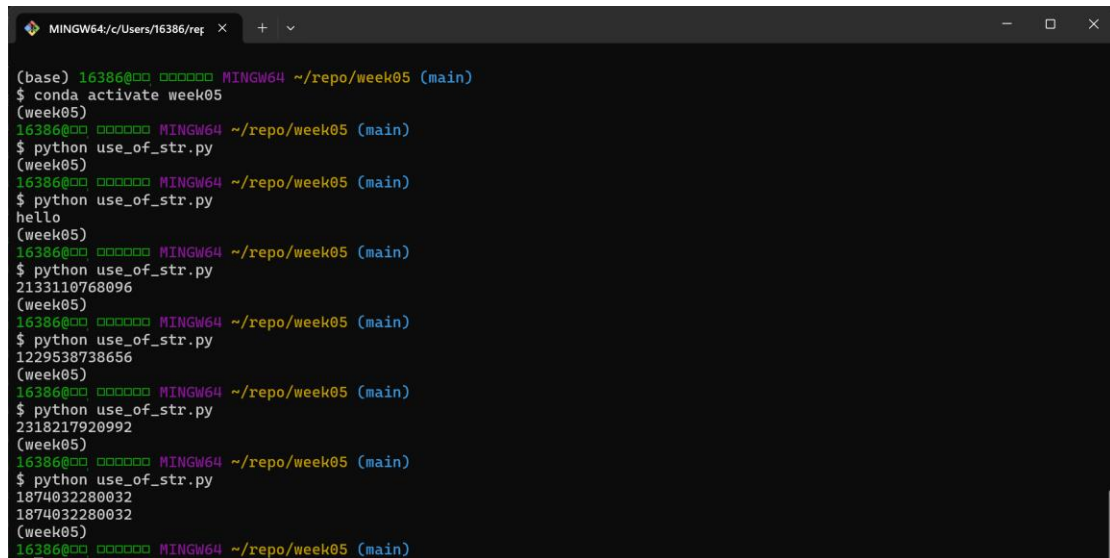
try 语句: 拦截报错, 避免退出, 将流程转入 except 语句

breakpoint(): 暂停程序运行, 进入 pdb 调试模式



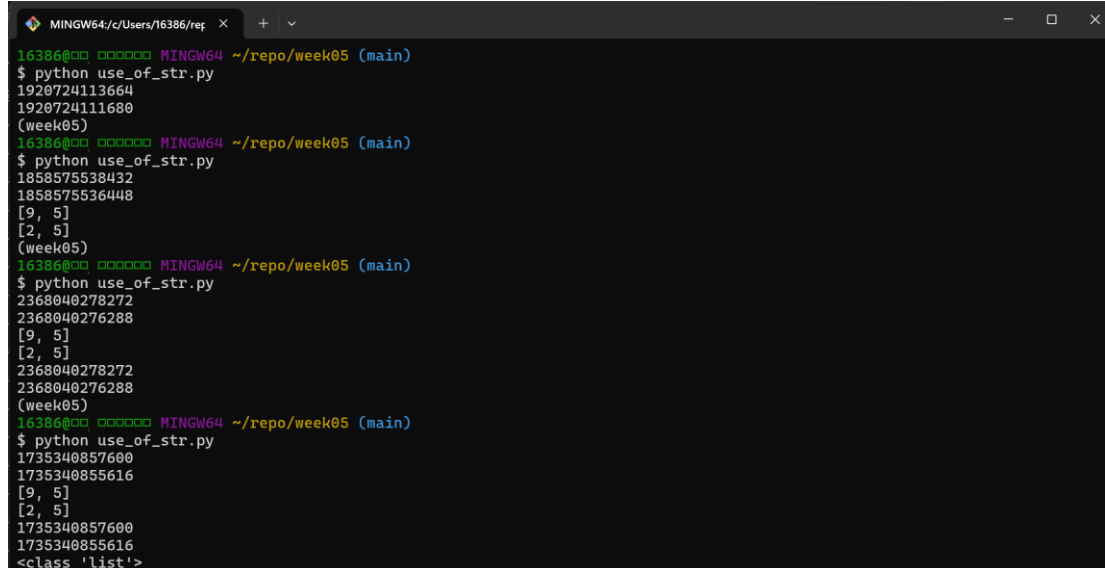
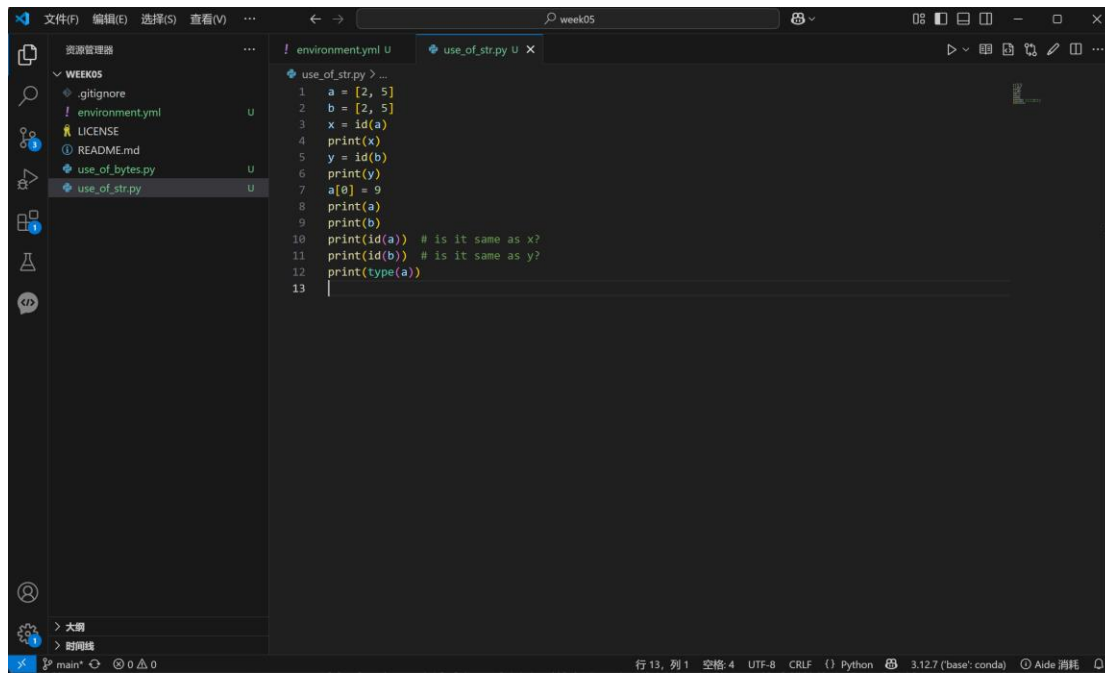
The screenshot shows a code editor with a file named use_of_str.py open. The code in the file is as follows:

```
1 a = "hello"
2 b = "hello"
3 x = id(a)
4 print(x)
5 y = id(b)
6 print(y)
```



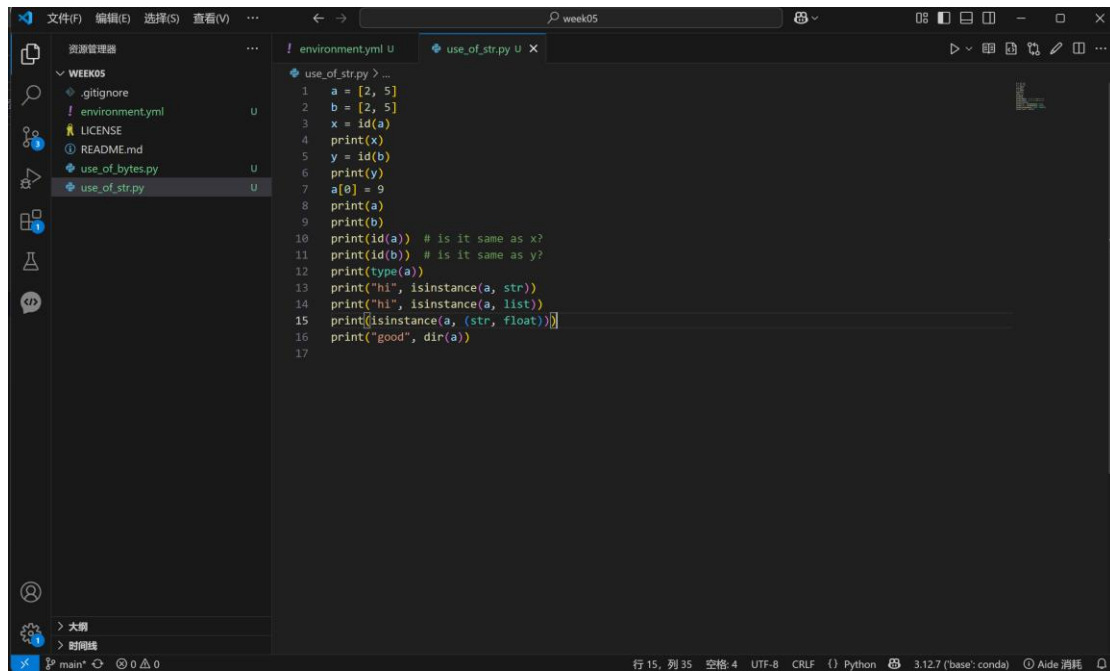
The screenshot shows a terminal window with the following commands and output:

```
(base) 16386@MINGW64 ~/repo/week05 (main)
$ conda activate week05
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
hello
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2133110768096
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
1229538738656
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2318217920992
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
1874032280032
1874032280032
16386@MINGW64 ~/repo/week05 (main)
```

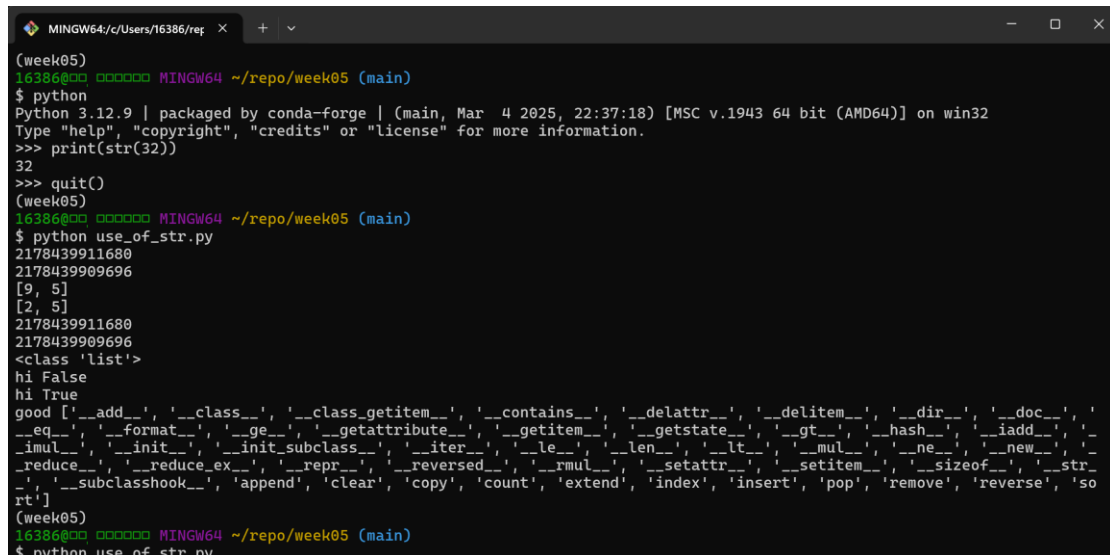


```
1 a = [2, 5]
2 b = [2, 5]
3 x = id(a)
4 print(x)
5 y = id(b)
6 print(y)
7 a[0] = 9
8 print(a)
9 print(b)
10 print(id(a)) # is it same as x?
11 print(id(b)) # is it same as y?
12 print(type(a))
13 print("hi", isinstance(a, str))
14 print("good", dir(a))
15
```

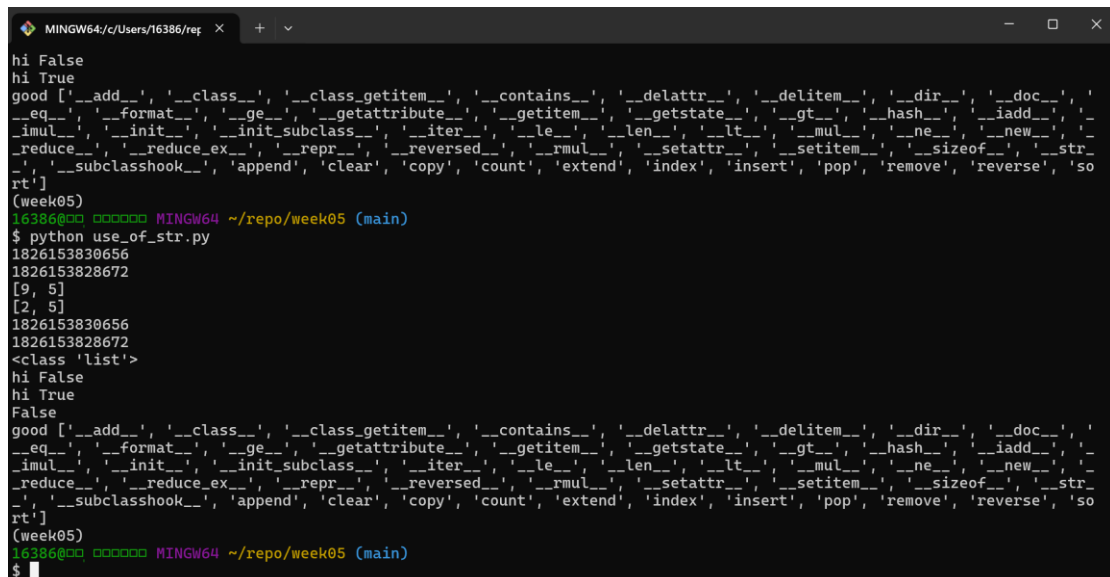
```
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
276807588896
2768075886912
[9, 5]
[2, 5]
276807588896
2768075886912
<class 'list'>
hi False
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
1587191355648
1587191353664
[9, 5]
[2, 5]
1587191355648
1587191353664
<class 'list'>
hi False
good ['__add__', '__class__', '__class_getitem__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattr__', '__getitem__', '__getstate__', '__gt__', '__hash__', '__iadd__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subclasshook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```



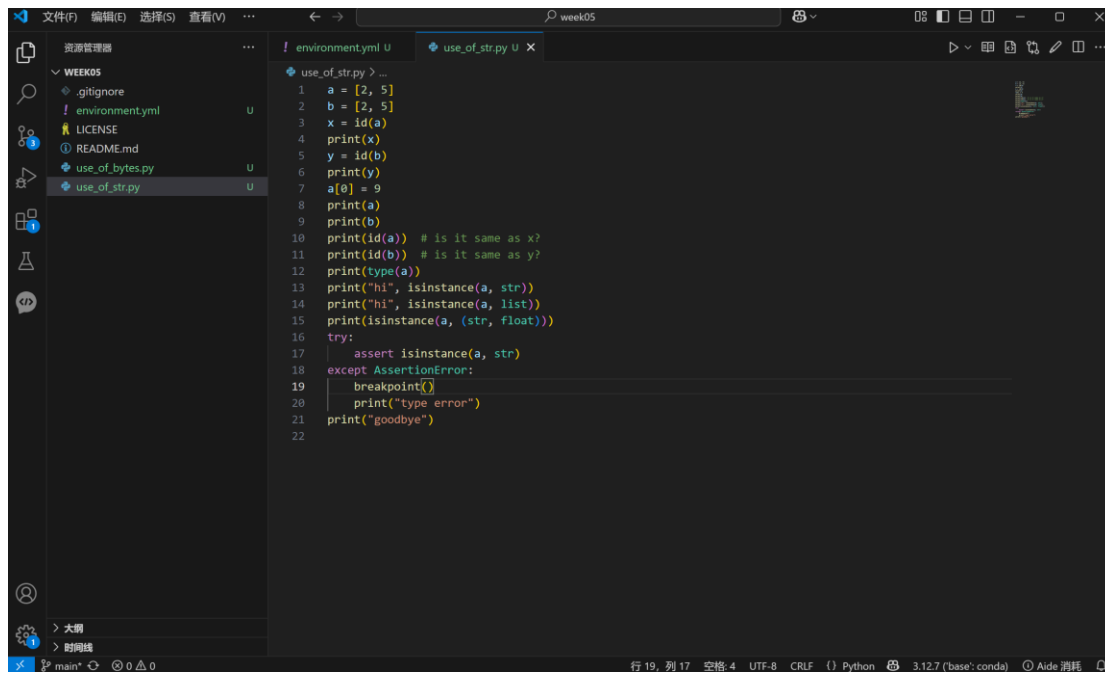
```
environment.yml U use_of_str.py U X
use_of_str.py > ...
1 a = [2, 5]
2 b = [2, 5]
3 x = id(a)
4 print(x)
5 y = id(b)
6 print(y)
7 a[0] = 9
8 print(a)
9 print(b)
10 print(id(a)) # is it same as x?
11 print(id(b)) # is it same as y?
12 print(type(a))
13 print("hi", isinstance(a, str))
14 print("hi", isinstance(a, list))
15 print(isinstance(a, (str, float)))
16 print("good", dir(a))
17
```



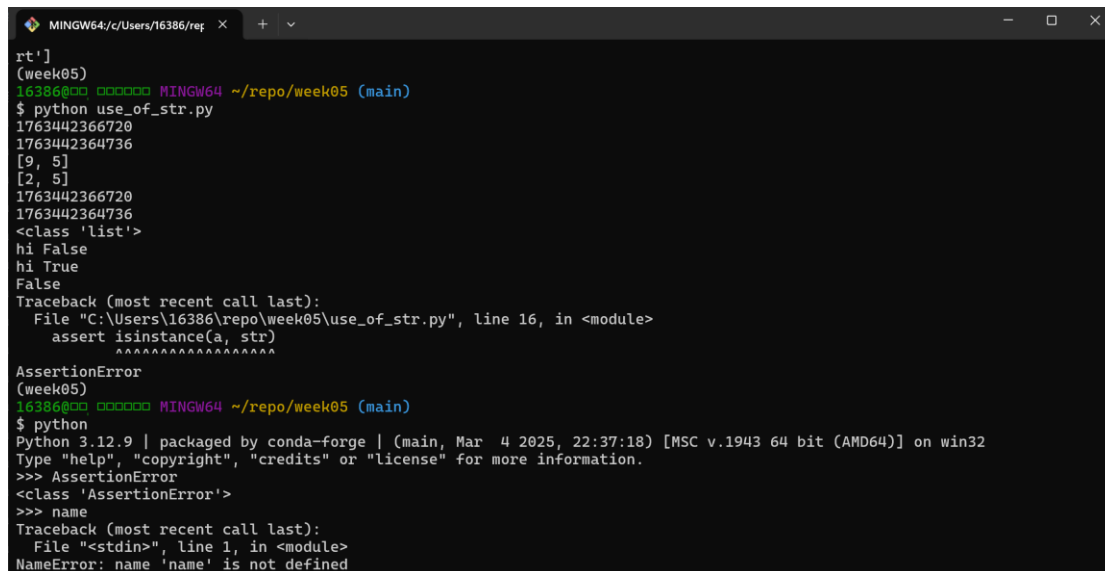
```
MINGW64:/c/Users/16386/rep x + v
16386@MINGW64 ~/repo/week05 (main)
$ python
Python 3.12.9 | packaged by conda-forge | (main, Mar 4 2025, 22:37:18) [MSC v.1943 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print(str(32))
32
>>> quit()
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2178439911680
2178439909696
[9, 5]
[2, 5]
2178439911680
2178439909696
<class 'list'>
hi False
hi True
good ['__add__', '__class__', '__class_getitem__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattr__', '__getitem__', '__getstate__', '__gt__', '__hash__', '__iadd__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subclasshook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
```



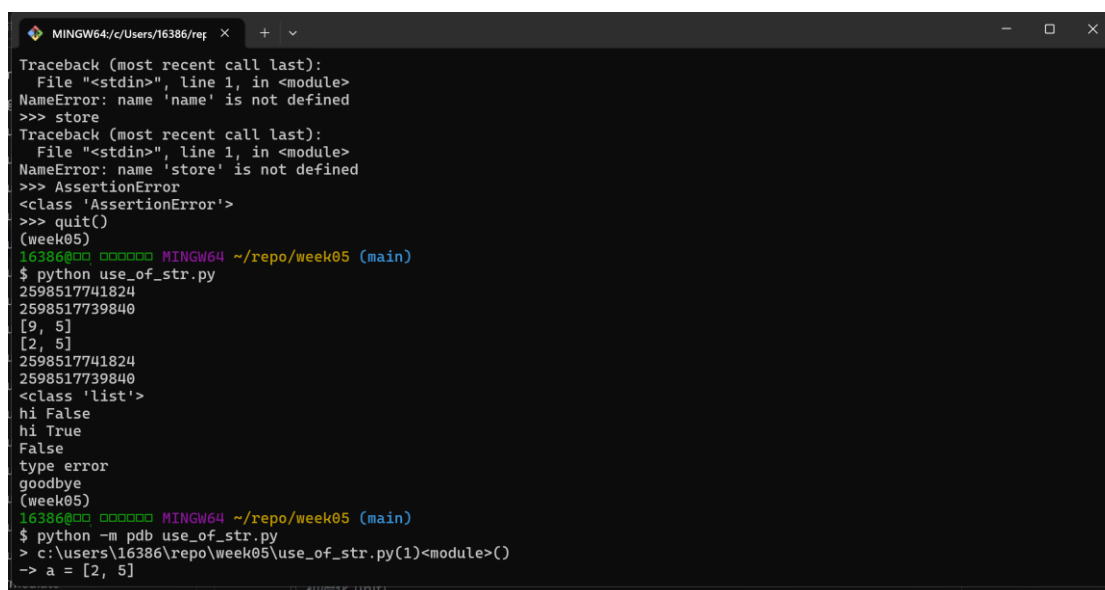
```
MINGW64:/c/Users/16386/rep x + v
hi False
hi True
good ['__add__', '__class__', '__class_getitem__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattr__', '__getitem__', '__getstate__', '__gt__', '__hash__', '__iadd__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subclasshook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
1826153830656
1826153828672
[9, 5]
[2, 5]
1826153830656
1826153828672
<class 'list'>
hi False
hi True
False
good ['__add__', '__class__', '__class_getitem__', '__contains__', '__delattr__', '__delitem__', '__dir__', '__doc__', '__eq__', '__format__', '__ge__', '__getattr__', '__getitem__', '__getstate__', '__gt__', '__hash__', '__iadd__', '__imul__', '__init__', '__init_subclass__', '__iter__', '__le__', '__len__', '__lt__', '__mul__', '__ne__', '__new__', '__reduce__', '__reduce_ex__', '__repr__', '__reversed__', '__rmul__', '__setattr__', '__setitem__', '__sizeof__', '__str__', '__subclasshook__', 'append', 'clear', 'copy', 'count', 'extend', 'index', 'insert', 'pop', 'remove', 'reverse', 'sort']
16386@MINGW64 ~/repo/week05 (main)
$
```



```
1 a = [2, 5]
2 b = [2, 5]
3 x = id(a)
4 print(x)
5 y = id(b)
6 print(y)
7 a[0] = 9
8 print(a)
9 print(b)
10 print(id(a)) # is it same as x?
11 print(id(b)) # is it same as y?
12 print(type(a))
13 print("hi", isinstance(a, str))
14 print("hi", isinstance(a, list))
15 print(isinstance(a, (str, float)))
16 try:
17     assert isinstance(a, str)
18 except AssertionError:
19     breakpoint()
20     print("type error")
21 print("goodbye")
22
```



```
rt']
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
1763442366720
1763442364736
[9, 5]
[2, 5]
1763442366720
1763442364736
<class 'list'>
hi False
hi True
False
Traceback (most recent call last):
  File "C:\Users\16386\repo\week05\use_of_str.py", line 16, in <module>
    assert isinstance(a, str)
AssertionError
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python
Python 3.12.9 | packaged by conda-forge | (main, Mar  4 2025, 22:37:18) [MSC v.1943 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> AssertionError
<class 'AssertionError'>
>>> name
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'name' is not defined
```



```
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'name' is not defined
>>> store
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
NameError: name 'store' is not defined
>>> AssertionError
<class 'AssertionError'>
>>> quit()
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2598517741824
2598517739840
[9, 5]
[2, 5]
2598517741824
2598517739840
<class 'list'>
hi False
hi True
False
type error
goodbye
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python -m pdb use_of_str.py
> c:\users\16386\repo\week05\use_of_str.py(1)<module>()
-> a = [2, 5]
```

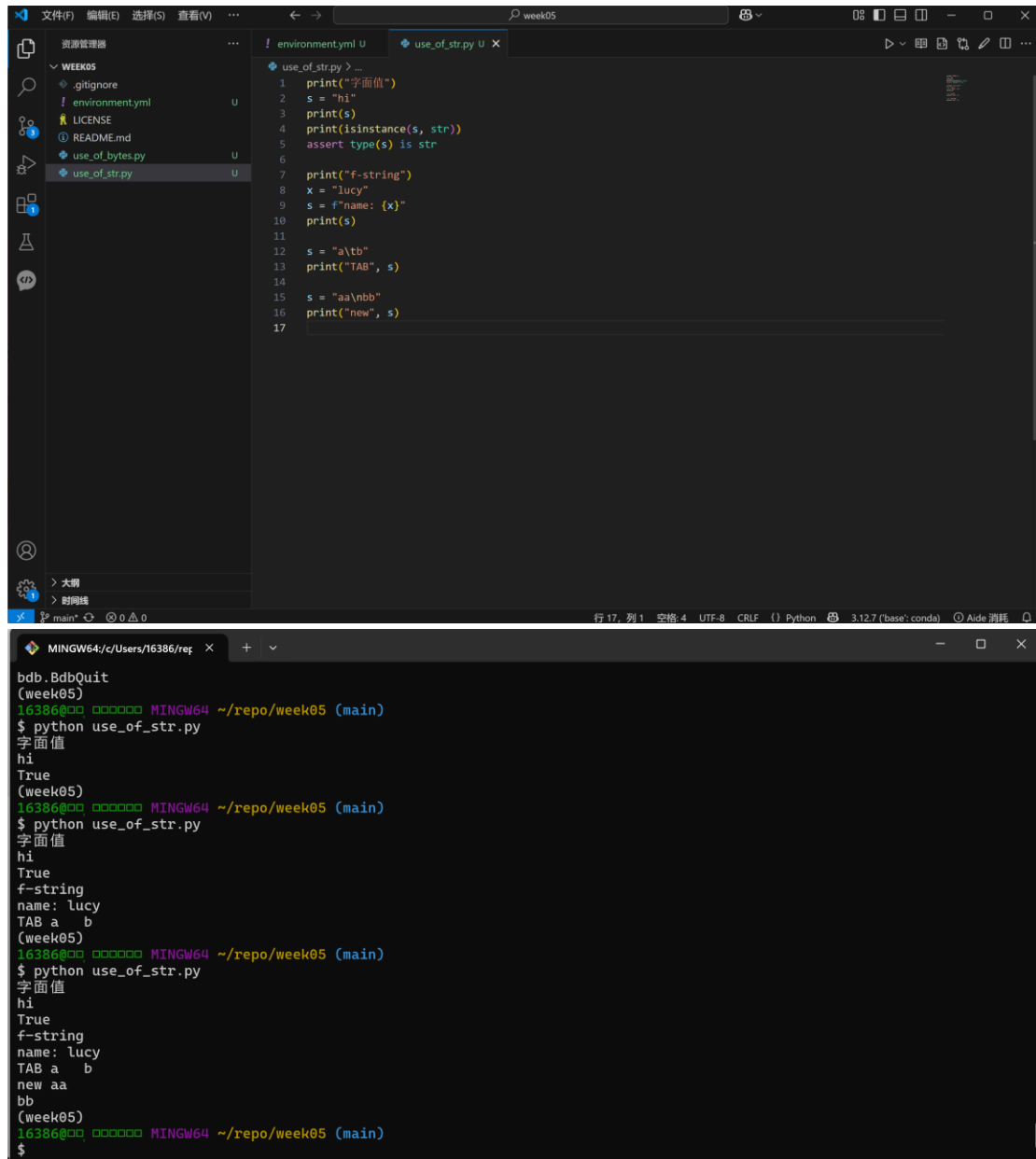
```
MINGW64: c:/Users/16386/ref x + v
(Pdb) l
1  -> a = [2, 5]
2    b = [2, 5]
3    x = id(a)
4    print(x)
5    y = id(b)
6    print(y)
7    a[0] = 9
8    print(a)
9    print(b)
10   print(id(a)) # is it same as x?
11   print(id(b)) # is it same as y?
(Pdb) n
> c:\users\16386\repo\week05\use_of_str.py(2)<module>()
-> b = [2, 5]
(Pdb)
> c:\users\16386\repo\week05\use_of_str.py(3)<module>()
-> x = id(a)
(Pdb)
> c:\users\16386\repo\week05\use_of_str.py(4)<module>()
-> print(x)
(Pdb) l
1    a = [2, 5]
2    b = [2, 5]
3    x = id(a)
4  -> print(x)
5    y = id(b)
6    print(y)
7    a[0] = 9
8    print(a)
```

```
6    print(y)
7    a[0] = 9
8    print(a)
9    print(b)
10   print(id(a)) # is it same as x?
11   print(id(b)) # is it same as y?
(Pdb) p x
2756376531520
(Pdb) q
(Pdb)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2888255084800
2888255082816
[9, 5]
[2, 5]
2888255084800
2888255082816
<class 'list'>
hi False
hi True
False
> c:\users\16386\repo\week05\use_of_str.py(20)<module>()
-> print("type error")
(Pdb) l
15   print(isinstance(a, (str, float)))
16   try:
17       assert isinstance(a, str)
18   except AssertionError:
19       breakpoint()
(Pdb) q
```

3、一些实例

字面值 (包括 f-string 语法)

(拓展: \t: 空四格; \n: 换行)



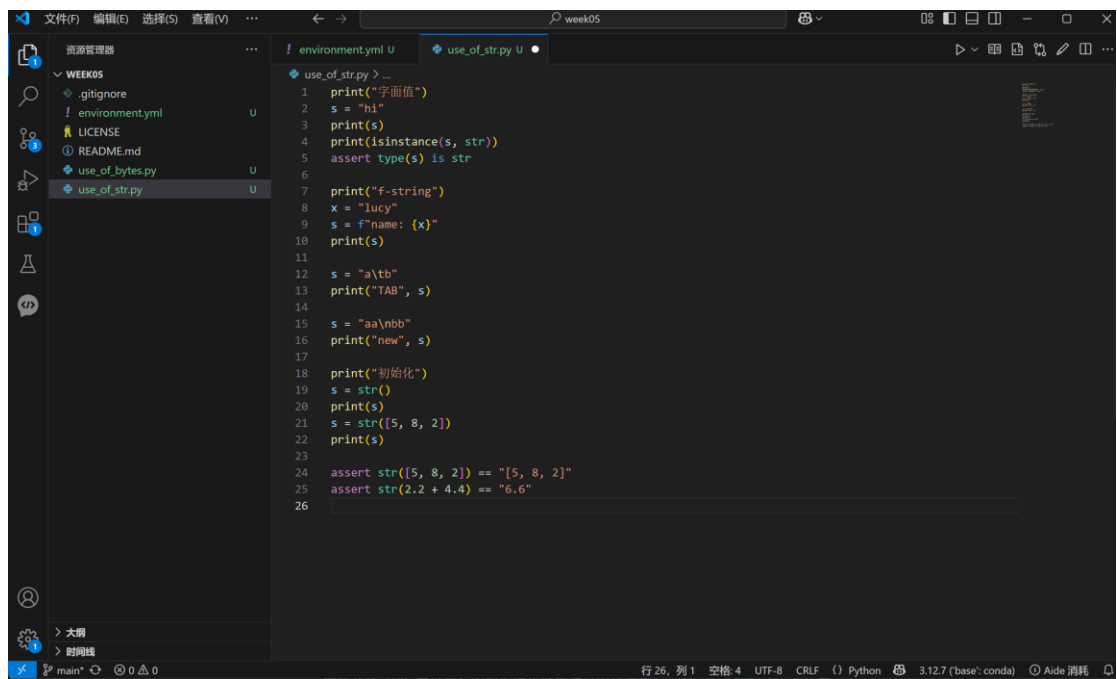
The image shows a VS Code editor window with a file explorer on the left and a code editor in the center. The file explorer shows a project named 'WEEK05' with files: .gitignore, environment.yml, LICENSE, README.md, use_of_bytes.py, and use_of_str.py. The code editor shows the content of 'use_of_str.py'.

```
1 print("字面值")
2 s = "hi"
3 print(s)
4 print(isinstance(s, str))
5 assert type(s) is str
6
7 print("f-string")
8 x = "lucy"
9 s = f"name: {x}"
10 print(s)
11
12 s = "a\tb"
13 print("TAB", s)
14
15 s = "aa\nbb"
16 print("new", s)
17
```

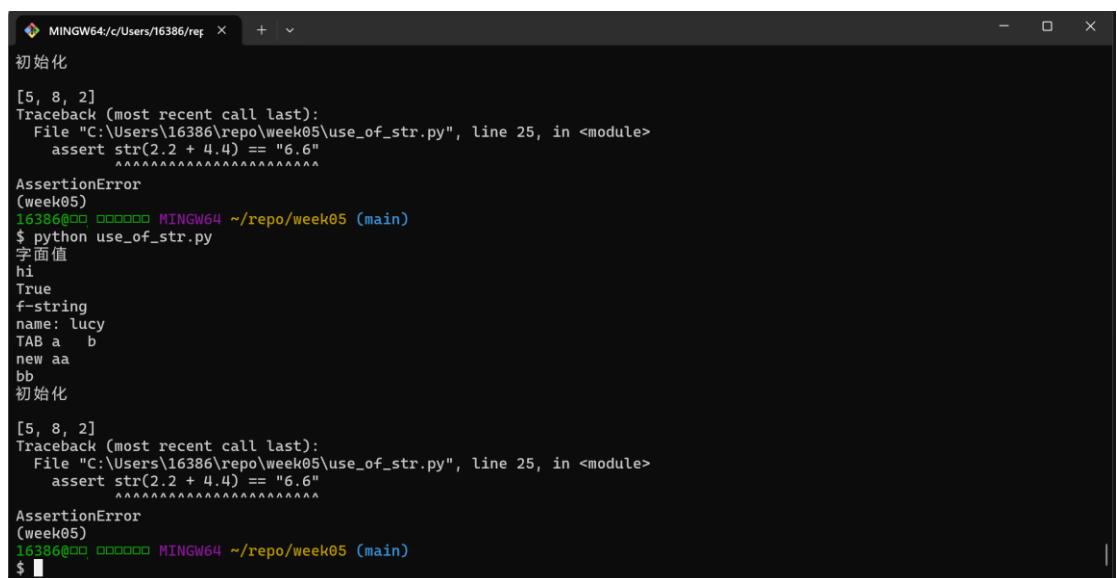
Below the editor is a terminal window showing the execution of the Python script. The terminal output is as follows:

```
bdb.BdbQuit
(WEEK05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
(WEEK05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
(WEEK05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
(WEEK05)
16386@MINGW64 ~/repo/week05 (main)
$
```

初始化



```
! environment.yml U use_of_str.py U
use_of_str.py > -
1 print("字面值")
2 s = "hi"
3 print(s)
4 print(isinstance(s, str))
5 assert type(s) is str
6
7 print("f-string")
8 x = "lucy"
9 s = f"name: {x}"
10 print(s)
11
12 s = "a\tb"
13 print("TAB", s)
14
15 s = "aa\nbb"
16 print("new", s)
17
18 print("初始化")
19 s = str()
20 print(s)
21 s = str([5, 8, 2])
22 print(s)
23
24 assert str([5, 8, 2]) == "[5, 8, 2]"
25 assert str(2.2 + 4.4) == "6.6"
26
```



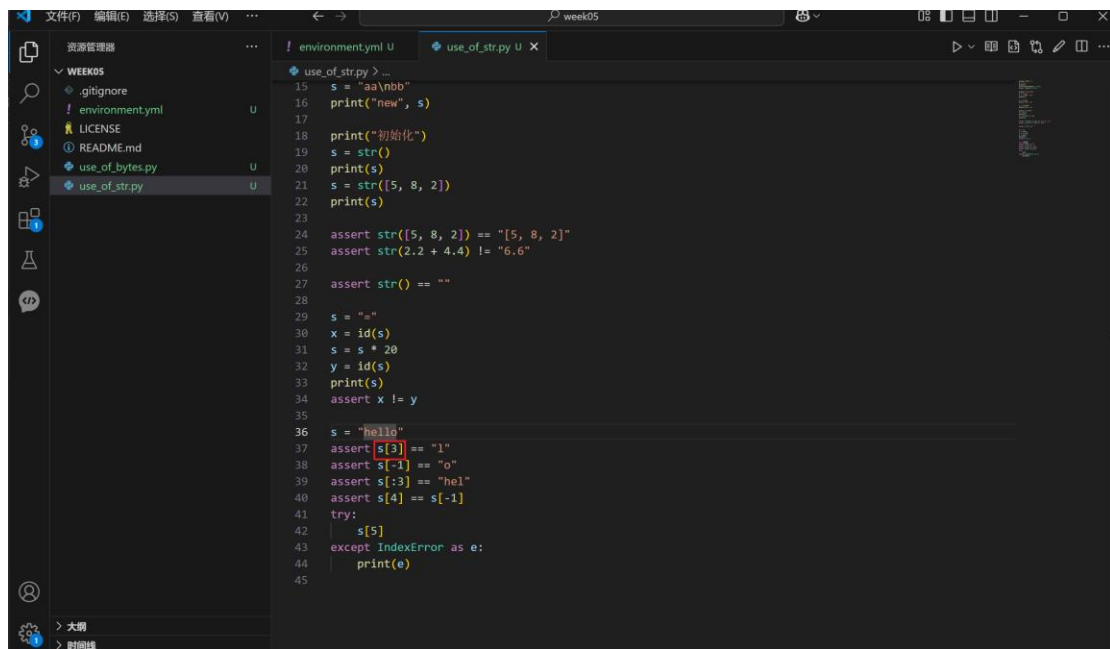
```
初始化
[5, 8, 2]
Traceback (most recent call last):
  File "C:\Users\16386\repo\week05\use_of_str.py", line 25, in <module>
    assert str(2.2 + 4.4) == "6.6"
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
AssertionError
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
Traceback (most recent call last):
  File "C:\Users\16386\repo\week05\use_of_str.py", line 25, in <module>
    assert str(2.2 + 4.4) == "6.6"
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
AssertionError
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```

运算值

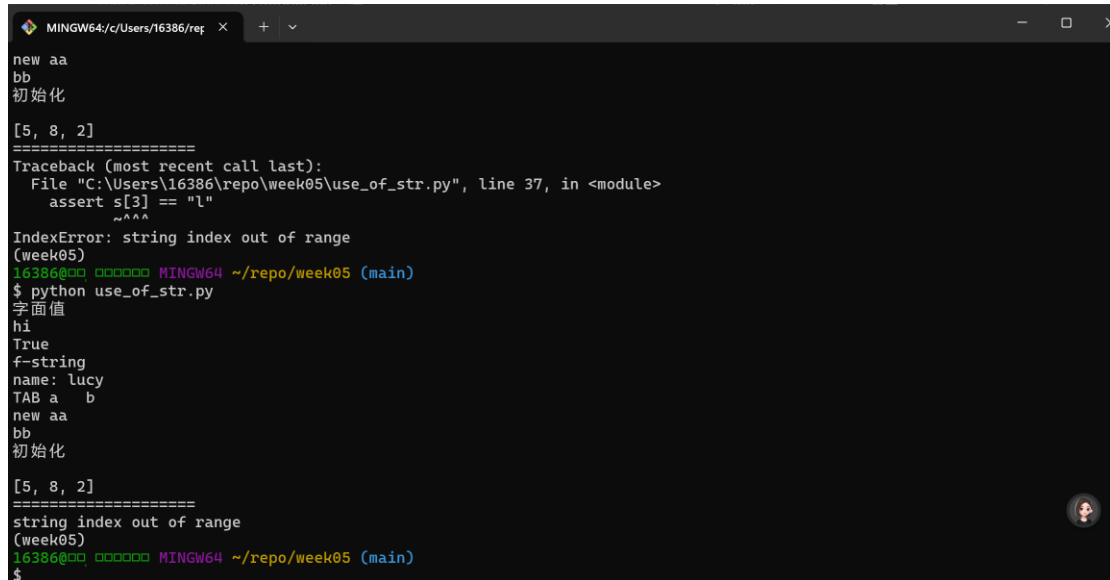
```
environment.yml U
use_of_str.py U x
use_of_str.py > ...
6
7 print(f"string")
8 x = "lucy"
9 s = f"name: {x}"
10 print(s)
11
12 s = "a\tb"
13 print("TAB", s)
14
15 s = "aa\nbb"
16 print("new", s)
17
18 print("初始化")
19 s = str()
20 print(s)
21 s = str([5, 8, 2])
22 print(s)
23
24 assert str([5, 8, 2]) == "[5, 8, 2]"
25 assert str(2.2 + 4.4) != "6.6"
26
27 assert str() == ""
28
29 s = ""
30 x = id(s)
31 s = s * 20
32 y = id(s)
33 print(s)
34 assert x != y
35
```

```
MINGW64: c:/Users/16386/rep
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
> c:\users\16386\repo\week05\use_of_str.py(30)<module>(C)
-> s = ""
(Pdb) l
25     assert str(2.2 + 4.4) != "6.6"
26
27     assert str() == ""
28
29     breakpoint()
30 -> s = ""
31     s = s * 20
32     print(s)
[EOF]
(Pdb) n
> c:\users\16386\repo\week05\use_of_str.py(31)<module>(C)
-> s = s * 20
(Pdb) p id(s)
140711747487616
(Pdb) l .
```

索引值



```
15 s = "aa\bbb"
16 print("new", s)
17
18 print("初始化")
19 s = str()
20 print(s)
21 s = str([5, 8, 2])
22 print(s)
23
24 assert str([5, 8, 2]) == "[5, 8, 2]"
25 assert str(2.2 + 4.4) != "6.6"
26
27 assert str() == ""
28
29 s = ""
30 x = id(s)
31 s = s * 20
32 y = id(s)
33 print(s)
34 assert x != y
35
36 s = "hello"
37 assert s[3] == "l"
38 assert s[-1] == "o"
39 assert s[:3] == "hel"
40 assert s[4] == s[-1]
41 try:
42     s[5]
43 except IndexError as e:
44     print(e)
45
```



```
new aa
bb
初始化

[5, 8, 2]
=====
Traceback (most recent call last):
  File "C:\Users\16386\repo\week05\use_of_str.py", line 37, in <module>
    assert s[3] == "l"
           ~^^^
IndexError: string index out of range
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化

[5, 8, 2]
=====
string index out of range
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```

返回值

```
26
27 assert str() == ""
28
29 s = "="
30 x = id(s)
31 s = s * 20
32 y = id(s)
33 print(s)
34 assert x != y
35
36 s = "hello"
37 assert s[3] == "l"
38 assert s[-1] == "o"
39 assert s[:3] == "hel"
40 assert s[4] == s[-1]
41 try:
42     s[5]
43 except IndexError as e:
44     print(e)
45
46 s = "hello"
47 u = s.upper()
48 print(u)
49 print(s)
50
51 t = "name: {},age {}"
52 print(t)
53 t1 = t.format("Tom", 22)
54 print(t1)
55
```

```
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
```

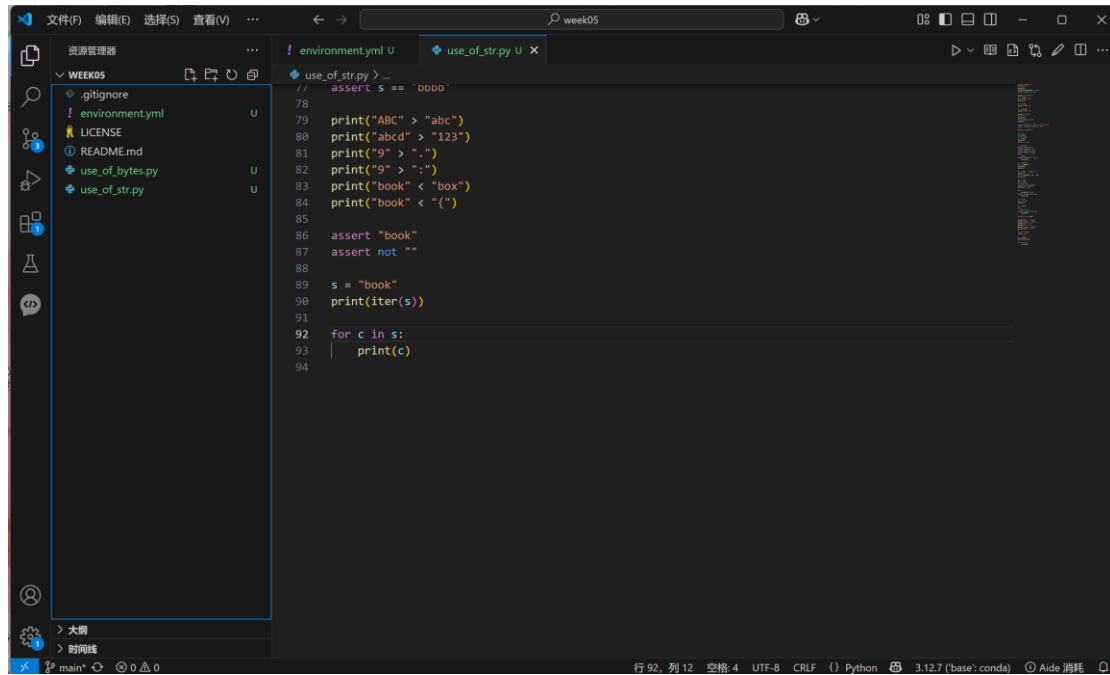
```
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```

验证对数字运算符有没有支持

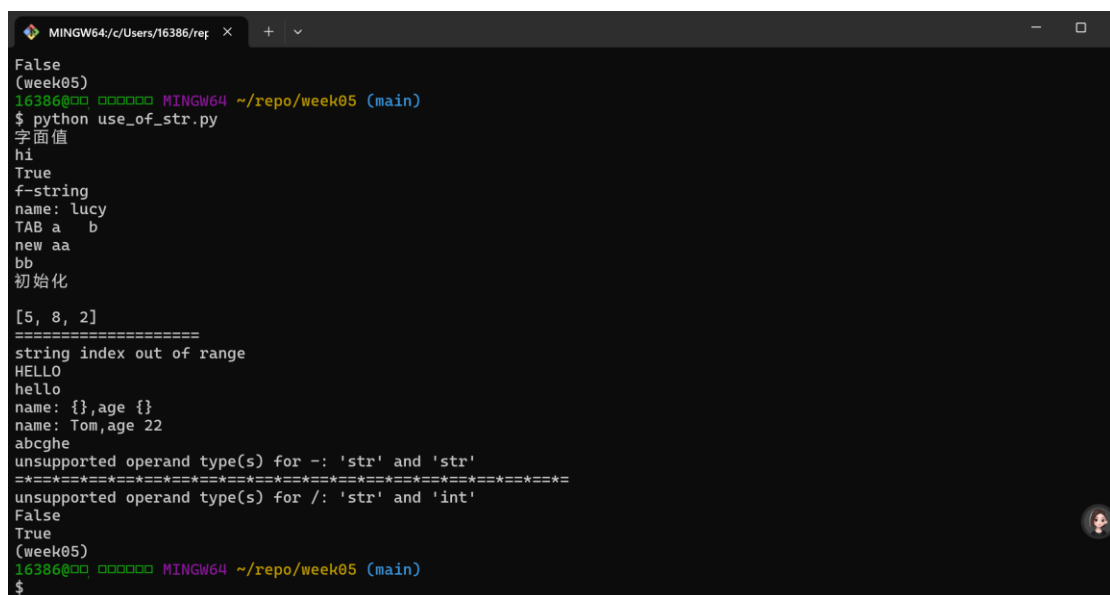
```
55
56 s1 = "abc"
57 s2 = "ghe"
58 s = s1 + s2
59 assert s == "abcghe"
60 print(s1 + s2)
61
62 try:
63     print(s2 - s1)
64 except TypeError as e:
65     print(e)
66
67 s = "a*b"
68 s = s * 20
69 print(s)
70
71 s = "bbbb"
72 s = s / 2
73
```

```
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lacy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
abcghe
unsupported operand type(s) for -: 'str' and 'str'
=====
Traceback (most recent call last):
  File "C:\Users\16386\repo\week05\use_of_str.py", line 72, in <module>
    s = s / 2
        ^
TypeError: unsupported operand type(s) for /: 'str' and 'int'
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```

验证对比较运算符有没有支持

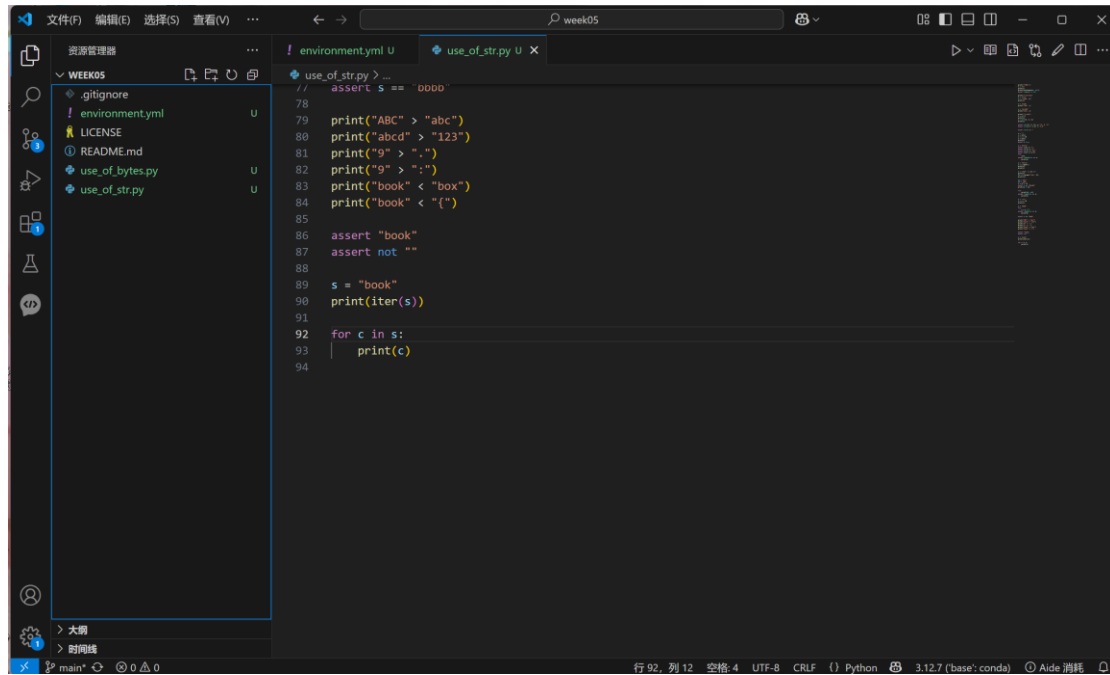


```
78
79 print("ABC" > "abc")
80 print("abcd" > "123")
81 print("9" > ",")
82 print("9" > ":",)
83 print("book" < "box")
84 print("book" < "(")
85
86 assert "book"
87 assert not ""
88
89 s = "book"
90 print(iter(s))
91
92 for c in s:
93     print(c)
94
```

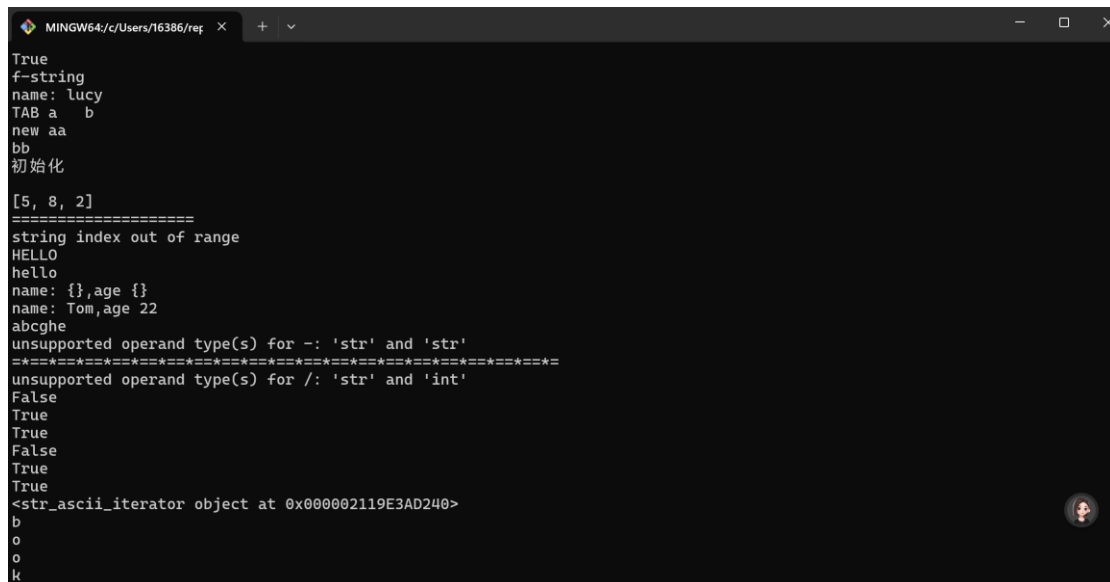


```
False
(week05)
16386@MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
abcbhe
unsupported operand type(s) for -: 'str' and 'str'
=====
unsupported operand type(s) for /: 'str' and 'int'
False
True
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```

验证迭代



```
environment.yml U
use_of_str.py > ...
// assert s == 'book'
78
79 print("ABC" > "abc")
80 print("abcd" > "123")
81 print("9" > ",")
82 print("9" > ":",)
83 print("book" < "box")
84 print("book" < "(")
85
86 assert "book"
87 assert not ""
88
89 s = "book"
90 print(iter(s))
91
92 for c in s:
93     print(c)
94
```



```
MINGW64/c:/Users/16386/ref x + v
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
abcghe
unsupported operand type(s) for -: 'str' and 'str'
=====
unsupported operand type(s) for /: 'str' and 'int'
False
True
True
False
True
True
<str_ascii_iterator object at 0x000002119E3AD240>
b
o
o
k
```

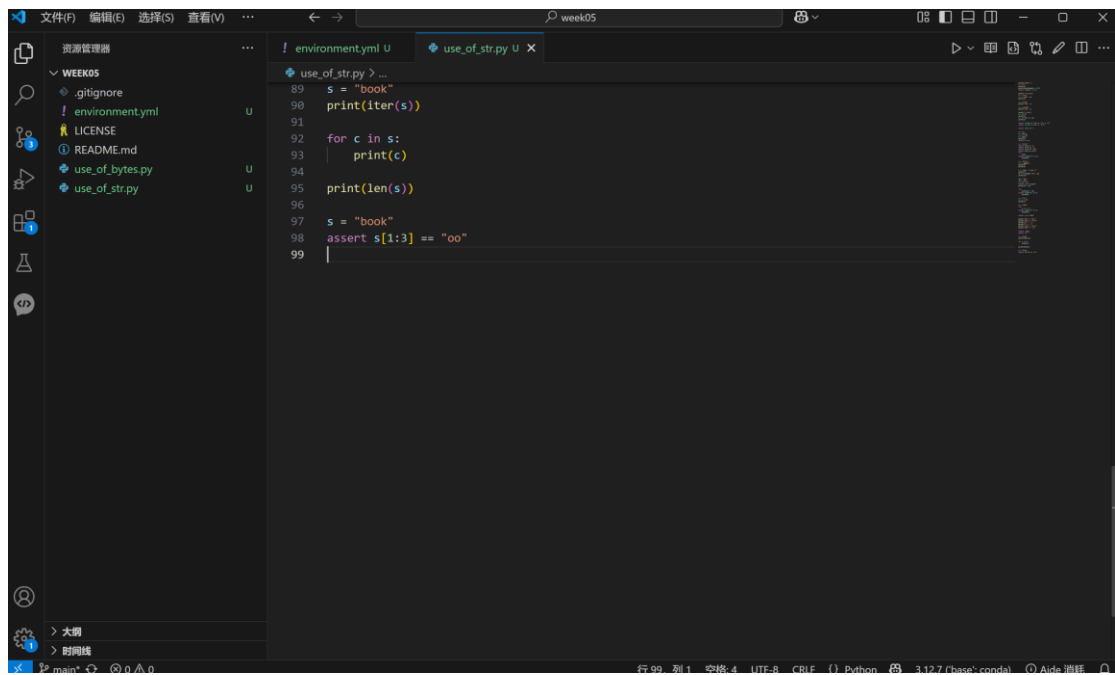
验证返回长度

```
environment.yml U use_of_str.py U X
use_of_str.py >...
93     print(c)
94
95     print(len(s))
96

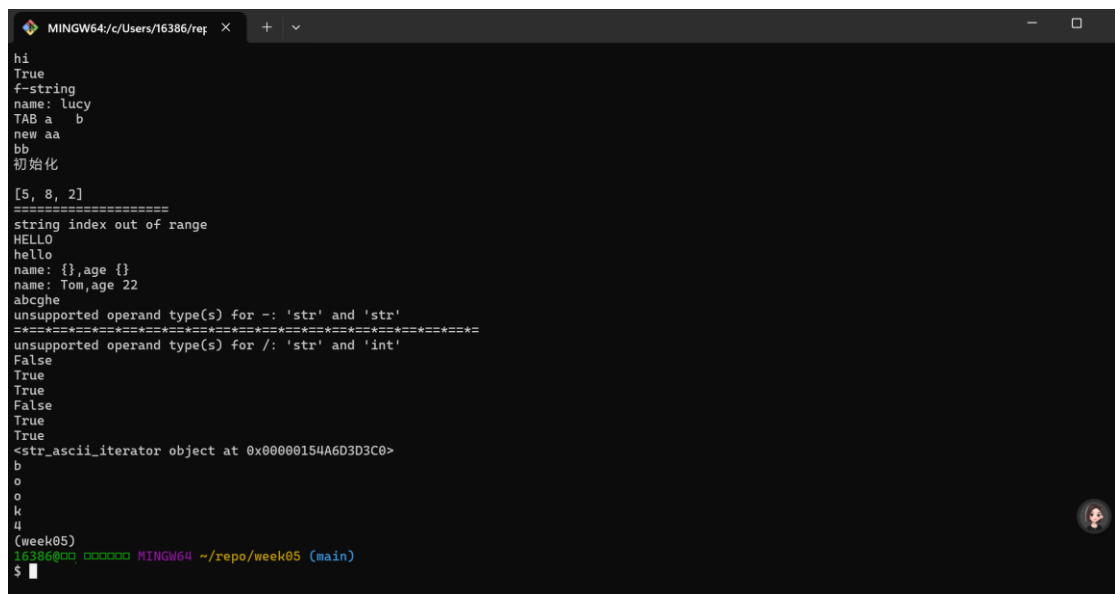
行 96, 列 1 空格 4 UTF-8 CRLF Python 3.12.7 ('base' conda) Aide 消耗
```

```
MINGW64/c/Users/16386/req X + v
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
abcghe
unsupported operand type(s) for -: 'str' and 'str'
=====
unsupported operand type(s) for /: 'str' and 'int'
False
True
True
False
True
True
True
<str_ascii_iterator object at 0x0000018F3511D2A0>
b
o
o
k
4
```

是否支持索引操作



```
! environment.yml U use_of_str.py U X
use_of_str.py > ...
89 s = "book"
90 print(iter(s))
91
92 for c in s:
93     print(c)
94
95 print(len(s))
96
97 s = "book"
98 assert s[1:3] == "oo"
99
```



```
MINGW64/c/Users/16386/rep x + v
hi
True
f-string
name: lucy
TAB a b
new aa
bb
初始化
[5, 8, 2]
=====
string index out of range
HELLO
hello
name: {},age {}
name: Tom,age 22
abchghe
unsupported operand type(s) for -: 'str' and 'str'
=====
unsupported operand type(s) for /: 'str' and 'int'
False
True
True
False
True
True
<str_ascii_iterator object at 0x00000154A6D3D3C0>
b
o
o
k
4
(week05)
16386@MINGW64 ~/repo/week05 (main)
$
```