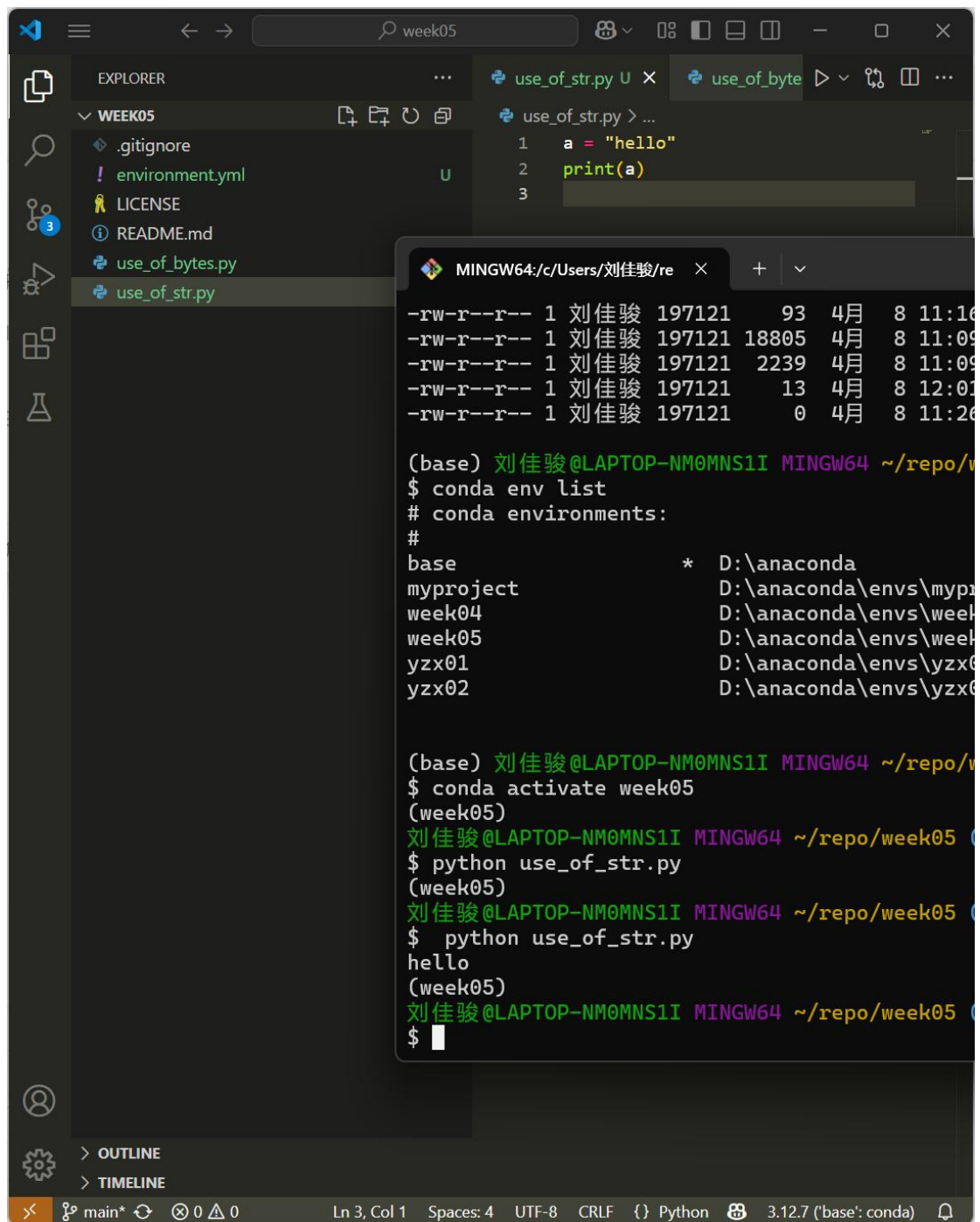


Python\_if\_str.py



The image shows a Visual Studio Code editor window with a dark theme. The Explorer sidebar on the left shows a project named 'WEEK05' with files: .gitignore, environment.yml, LICENSE, README.md, use\_of\_bytes.py, and use\_of\_str.py. The use\_of\_str.py file is open in the editor, showing the following code:

```
1 a = "hello"
2 print(a)
3
```

A terminal window is open in the foreground, showing the output of several commands in a MINGW64 shell. The terminal text is as follows:

```
(base) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/w
$ conda env list
# conda environments:
#
base                * D:\anaconda
myproject            D:\anaconda\envs\myp
week04               D:\anaconda\envs\week
week05               D:\anaconda\envs\week
yzx01                D:\anaconda\envs\yzx0
yzx02                D:\anaconda\envs\yzx0

(base) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/w
$ conda activate week05
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 C
$ python use_of_str.py
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 C
$ python use_of_str.py
hello
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 C
$
```

The status bar at the bottom indicates the current file is 'main\*', the cursor is at 'Ln 3, Col 1', and the Python interpreter is '3.12.7 ('base': conda)'.

## Id 函数

```
MINGW64:./c/Users/刘佳骏/re × + v
week04 D:\anaconda\envs\week04
week05 D:\anaconda\envs\week05
yzx01 D:\anaconda\envs\yzx01
yzx02 D:\anaconda\envs\yzx02

(base) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ conda activate week05
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
hello
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
hello
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2429076510336
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2324331763328
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$
```

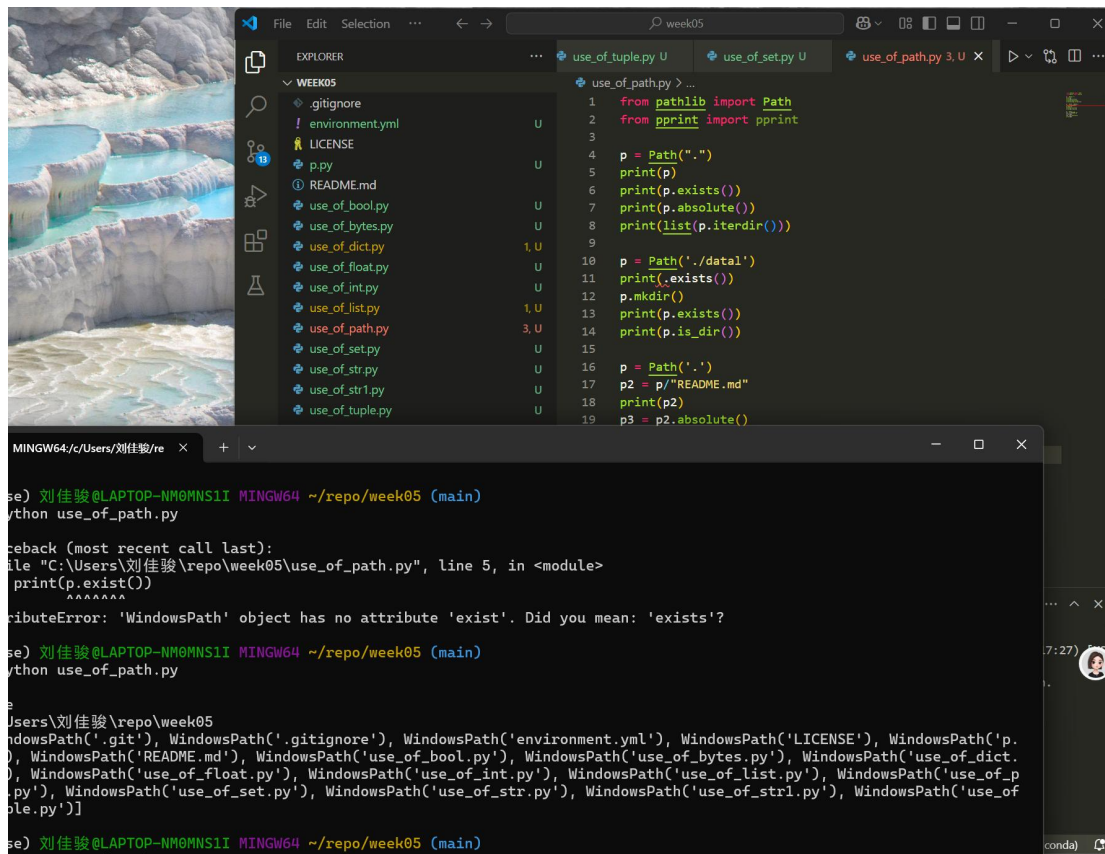
The image shows a Visual Studio Code editor window with a file explorer on the left and a terminal window on the right. The file explorer shows a project named 'WEEK05' with files: .gitignore, environment.yml, LICENSE, README.md, use\_of\_bytes.py, and use\_of\_str.py. The file 'use\_of\_str.py' is open in the editor, showing the following code:

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

The terminal window shows the execution of the code in a MINGW64 environment. The output is as follows:

```
(base) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/v
$ conda activate week05
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
hello
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
hello
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
2429076510336
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
2324331763328
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$ python use_of_str.py
2429115438720
2429115438720
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05
$
```

The status bar at the bottom indicates the file is 'main\*' with 0 errors, 0 warnings, and 0 info messages. The cursor is at line 7, column 1. The file encoding is UTF-8, and the line ending is CRLF. The file is a Python script, and the current environment is 'base: conda'.



The screenshot shows a VS Code editor interface. On the left is a file explorer for a project named 'WEEK05'. It contains files like .gitignore, environment.yml, LICENSE, p.py, README.md, and several 'use\_of\_\*.py' files. The 'use\_of\_path.py' file is selected and its content is shown in the editor. The code imports Path from pathlib and pprint from pprint. It creates a Path object 'p' for the current directory, prints its details, and then creates another Path object 'p2' for 'README.md', printing its absolute path. A third Path object 'p3' is created for the absolute path of 'p2'.

```
1 from pathlib import Path
2 from pprint import pprint
3
4 p = Path(".")
5 print(p)
6 print(p.exists())
7 print(p.absolute())
8 print(list(p.iterdir()))
9
10 p = Path('./data1')
11 print(p.exists())
12 p.mkdir()
13 print(p.exists())
14 print(p.is_dir())
15
16 p = Path('.')
17 p2 = p/"README.md"
18 print(p2)
19 p3 = p2.absolute()
```

Below the editor is a terminal window running a MINGW64 shell. It shows the command 'python use\_of\_path.py' being executed. The output shows a traceback from the 'print(p.exists())' line, indicating an 'AttributeError: 'WindowsPath' object has no attribute 'exist'. Did you mean: 'exists'?'. The user then runs the command again, and the output shows a list of files in the current directory, including the 'use\_of\_path.py' file.

```
se) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
python use_of_path.py

Traceback (most recent call last):
  File "C:\Users\刘佳骏\repo\week05\use_of_path.py", line 5, in <module>
    print(p.exists())
          ^^^^^^^^^
AttributeError: 'WindowsPath' object has no attribute 'exist'. Did you mean: 'exists'?

se) 刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
python use_of_path.py

Users\刘佳骏\repo\week05
WindowsPath('.git'), WindowsPath('environment.yml'), WindowsPath('LICENSE'), WindowsPath('p.
'), WindowsPath('README.md'), WindowsPath('use_of_bool.py'), WindowsPath('use_of_bytes.py'), WindowsPath('use_of_dict.
'), WindowsPath('use_of_float.py'), WindowsPath('use_of_int.py'), WindowsPath('use_of_list.py'), WindowsPath('use_of_p
.py'), WindowsPath('use_of_set.py'), WindowsPath('use_of_str.py'), WindowsPath('use_of_str1.py'), WindowsPath('use_of
ble.py')]
```

```
MINGW64:/c/Users/刘佳骏/re X + v
(Pdb)
[9, 7]
(Pdb) quit()
Traceback (most recent call last):
  File "C:\Users\刘佳骏\repo\week05\use_of_str.py", line 17, in
    assert isinstance(a, str)
    ^^^^^^^^^^^^^^^^^^^^^^^
AssertionError

During handling of the above exception, another exception occurred:

Traceback (most recent call last):
  File "C:\Users\刘佳骏\repo\week05\use_of_str.py", line 20, in
    print("type error")
    ^^^^^
  File "D:\anaconda\envs\week05\Lib\bdb.py", line 100, in trace
    return self.dispatch_line(frame)
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
  File "D:\anaconda\envs\week05\Lib\bdb.py", line 125, in dispatch_line
    if self.quitting: raise BdbQuit
    ^^^^^^^^^^^^^^^^^
bdb.BdbQuit
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$ python use_of_str1.py
字面值1
True
(week05)
刘佳骏@LAPTOP-NM0MNS1I MINGW64 ~/repo/week05 (main)
$
```