1. Fork 第 05 周打卡仓库至你的名下,然后将你名下的这个仓库 Clone 到你的本地计算机

```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$ pwd
/c/Users/胡爽/repo
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$ git clone git@gitcode.com:HYY123abc/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 | 2.81 MiB/s, done.
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$
```

```
$ ls -l
 total 11568
0 3月 20 21:25 myproject/
                                                                     197121
                                                                                                                                                     20 21.23 myprojecs,

16 13:37 mywork/

20 20:23 prj1/

16 13:37 repo/

14 11:21 script1.py
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16 14:16 week02/
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29 22:34 week04/
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                                                                     197121
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-rw-r--r-- 1 胡爽
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    -rw-r--r-- 1 胡爽 197121 11824906 3月 21 10:20 第三周学习报告.pdf
                @LAPTOP-SKS7HB85 MINGW64 ~/repo
  $ pwd
   /c/Users/胡爽/repo
 (base)
                        APTOP-SKS7HB85 MINGW64 ~/repo
 $ git clone git@gitcode.com:HYY123abc/week05.git
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              ₹@LAPTOP-SKS7HB85 MINGW64 ~/repo
 $ ls -l
 total 11568
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drwxr-xr-x 1 胡爽 197121
drwxr-xr-x 1 胡爽 197121
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0 3月 16 13:37 mywork/
0 3月 20 20:23 prj1/

    drwxr-xr-x
    1
    胡爽

    rw-r--r-
    1
    胡爽

    rw-r----
    1
    胡爽

    rw-r----
    1
    胡爽

    rw-r----
    1
    胡爽

    cw-rw-----
    1
    胡爽

    (base)
    1
    1

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925 3月 14 11:21 script1.py
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                                                                      197121
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                                                                     197121 11824906
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 (base)
```

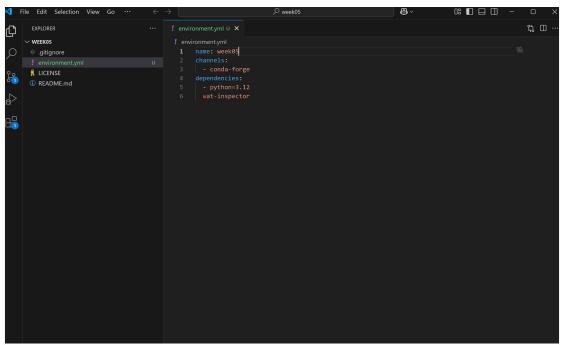
2. 用 VS Code 打开项目目录,新建一个 environment.yml 文件,指定安装

Python 3.12, 然后运行 conda env create 命令创建 Conda 环境

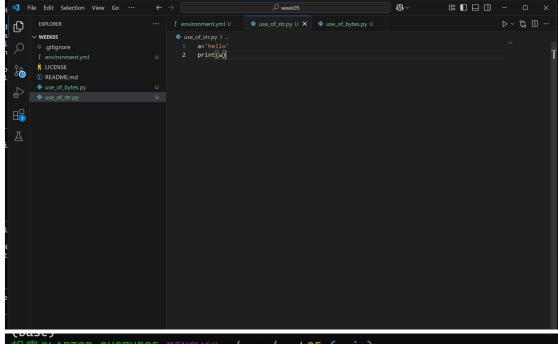
```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$ cat week04/environment.yml
name: week04
channels:
   - conda-forge
dependencies:
   - python=3.12
   wat-inspector(base)

胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$
```

```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$ cp week04/environment.yml week05/
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$ ls -l week05
total 25
-rw-r--r-- 1 胡爽 197121 89 4月 7 08:41 environment.yml
-rw-r--r-- 1 胡爽 197121 18805 4月 7 08:29 LICENSE
-rw-r--r-- 1 胡爽 197121 2239 4月 7 08:29 README.md
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo
$
```



```
$ conda env create
D:\Anaconda\Lib\arguments, proportion of the condition of the condition
```



```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ conda env list
# conda environments:
#
base
                      * D:\Anaconda
myproject
                         D:\Anaconda\envs\myproject
                         D:\Anaconda\envs\pri1
pri1
prj2
                         D:\Anaconda\envs\prj2
week04
                         D:\Anaconda\envs\week04
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ conda activate week05
EnvironmentNameNotFound: Could not find conda environment: week05
You can list all discoverable environments with `conda info --envs`.
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
hello
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$
```

查看 id:

```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2229756977600
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$
```

。 对于任何对象,都可以传给以下内置函数(built-in function)用于检视 (inspect):id() ─ 返回对象在虚拟内存中的地址(正整数),如果 id(a) == id(b),那么 a is b (is 是个运算符)

type() ─ 返回对象的类型

isinstance() ─ 判断对象是否属于某个(或某些)类型

dir() ─ 返回对象所支持的属性(attributes)的名称列表

str() ─ 返回对象 print 时要显示在终端的字符串

每次运行结果都不一样:

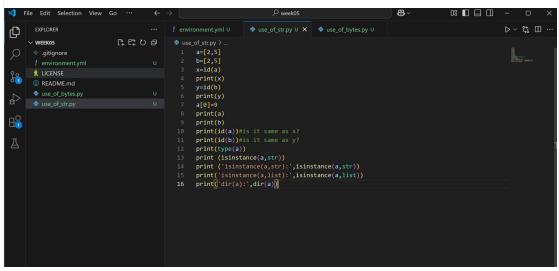
```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 $ python use_of_str.py
 2229756977600
 (base)
 胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 $ python use_of_str.py
 1603518554560
 (base)
 胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 $ python use_of_str.py
      652823488
 胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 $
Id 一样:
▼ File Edit Selection View Go …
                                                      08 ■ □ □ −
EXPLORER
                                                             ⊳ ~ th □ ..
  ∨ WEEK05
                     1 a='hello'
2 b='hello'
3 x=id(a)

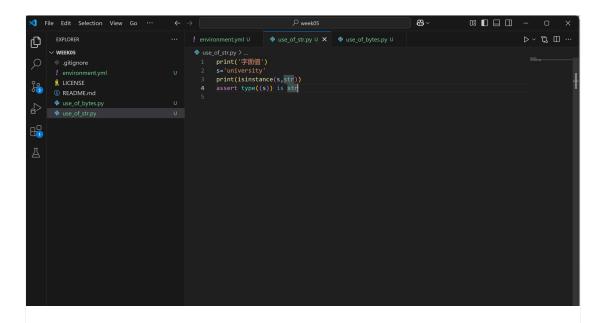
₹ LICENSE

1 README.md
                     4 print(x)
5 y=id(b)
use_of_str.py
H
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
  python use_of_str.py
1675843035584
1675843035584
 (base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
2260445501696
2260445499712
[9, 5]
[2, 5]
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
```

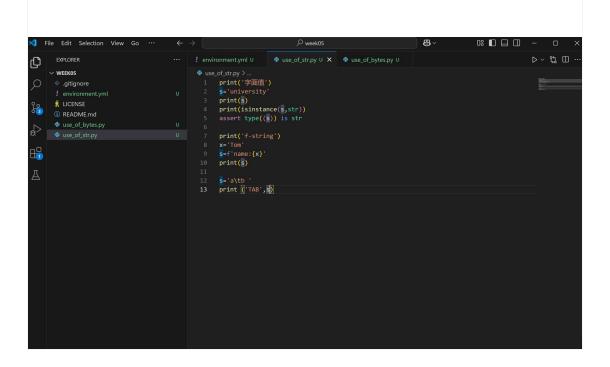
```
D ~ th □
    • use_of_str.py > ...
      1 a=[2,5]
2 b=[2,5]
           b=[2,5]
      3 x=id(a)
      4 print(x)
      5  y=id(b)
6  print(y)
     7 a[0]=9
8 print(a)
9 print(b)
10 print(id(a))#is it same as x?
     print(id(b))#is it same as y?
                                               MINGM64 ~/repo/week05 (main)
        python use_of_str.py
  2210604325120
 2210604323136
 [9, 5]
  [2, 5]
  2210604325120
  2210604323136
  (base)
 胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 $
 <class 'list'>
  (base)
  胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
  $ python use_of_str.py
  3012205943040
  3012205941056
 [0 []
  ′æ10
 3012205943040
 3012205941056
 <class 'list'>
 False
 (base)
胡獎@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ print(1,2, 6, 10)
bash: syntax error near unexpected token `1,2, 6, 10) '
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ print(1,2, 6, 10)
bash: syntax error near unexpected token `1,2, 6, 10) '
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ print(1,2,6,10)
bash: syntax error near unexpected token `1,2,6,10'
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python
python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print(1,2,6,10)
1 2 6 10
>>>
```

```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python
Python 3.12.7 | packaged by Anaconda, Inc. | (main, Oct 4 2024, 13:17:27) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> print(32)
32
>>> print(str(32))
32
>>>
```

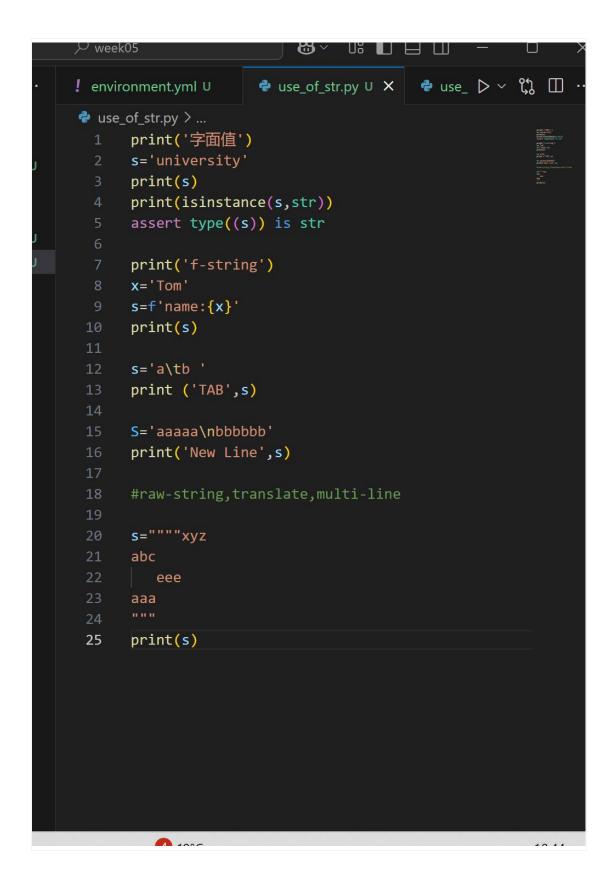




胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main) \$ python use_of_str.py 字面值 True (base)



```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
university
True
f-string
name:Tom
TAB a b
(base)
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$
```



```
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
university
 True
 f-string
name:Tom
 TAB a
New Line a
 "xyz
abc
   eee
aaa
(base)
 胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
 25
      print(s)
     print('初始化')
 27
      s=str()
      print(s)
 28
胡爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python use_of_str.py
字面值
university
True
f-string
name:Tom
TAB a b
New Line a
               b
"xyz
abc
   eee
aaa
初始化
(base)
钥爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
  29
       assert str([5,8,2])=='[5,8,2]'
       assert str (1.1+2.2)=='3.3'
```

```
AssertionError
 (base)
制爽@LAPTOP-SKS7HB85 MINGW64 ~/repo/week05 (main)
$ python -m pdb use_of_str.py
> c:\users\胡爽\repo\week05\use_of_str.py(1)<module>()
-> print('字面值')
 (Pdb) c
 字面值
 university
 True
 f-string
 name:Tom
 TAB a b
New Line a
                                           b
  "xyz
abc
    eee
 aaa
 初始化
Traceback (most recent call last):
File "D:\Anaconda\Lib\pdb.py", line 1960, in main
     File "D:\Anaconda\Lib\pdb.py", line 1960, in main pdb._run(target)
File "D:\Anaconda\Lib\pdb.py", line 1754, in _run self.run(target.code)
File "D:\Anaconda\Lib\bdb.py", line 606, in run exec(cmd, globals, locals)
File "<string>", line 1, in <module>
File "C:\Users\初爽\repo\week05\use_of_str.py", line 30, in <module>
assert str([5,8,2])=='[5,8,2]'
 AssertionError
AssertionError
Uncaught exception. Entering post mortem debugging
Running 'cont' or 'step' will restart the program
> c:\users\胡痰\repo\week05\use_of_str.py(30)<module>()
-> assert str([5,8,2])=='[5,8,2]'
(Pdb) p str(1.1+2.2)
'3.300000000000000003'
```

```
30 assert str([5,8,2])=='[5,8,2]'
31 assert str (1.1+2.2)1=='3.3'
```

```
AssertionError
Uncaught exception. Entering post mortem debugging
Running 'cont' or 'step' will restart the program
> c:\users\dmy\repo\week05\use_of_str.py(30)<module>()
-> assert str([5,8,2])=='[5,8,2]'
(Pdb) p str(1.1+2.2)
'3.30000000000000003'
(Pdb) q
Post mortem debugger finished. The C:\Users\dmy\repo\week05\use_of_str.py will be restarted
> c:\users\dmy\repo\week05\use_of_str.py(1)<module>()
-> print('字面值')
(Pdb) q
(base)
dmy@LAPTOP-SK57H885 MINGW64 ~/repo/week05 (main)
$ python -m pdb use_of_str.py
> c:\users\dmy\repo\week05\use_of_str.py(1)<module>()
-> print('字面值')
(Pdb)
(Pdb)
```