## Python 项目

### 配置 conda init

```
Administrator@DESKTOP-75CI4VE MINGW64 ~

$ which conda
/d/1/Scripts/conda

Administrator@DESKTOP-75CI4VE MINGW64 ~

$ conda init bash
no change D:\1\Scripts\conda.exe
no change D:\1\Scripts\conda-env.exe
no change D:\1\Scripts\conda-env.exe
no change D:\1\Scripts\conda-env-script.py
no change D:\1\Scripts\conda.bat
no change D:\1\condabin\conda.bat
no change D:\1\condabin\conda.activate.bat
```

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ pwd
/c/Users/Administrator
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ ls -al
total 23228
                                                                  0 Mar 19 11:16
0 Sep 7 2022
0 Mar 2 2024
drwxr-xr-x 1 Administrator 197121
                                                             0 Mar 19 11:16

0 Sep 7 2022

0 Mar 2 2024

0 Dec 9 2023

2660 Mar 13 17:23

230 Mar 19 11:16
                                                                                            ../
.Ld9VirtualBox/
drwxr-xr-x 1 Administrator 197121
drwxr-xr-x 1 Administrator 197121
drwxr-xr-x 1 Administrator 197121
-rw-r--r- 1 Administrator 197121
-rw-r--r- 1 Administrator 197121
                                                                                            .android/
                                                                                            .bash_history
                                                                                            .bash_profile
drwxr-xr-x 1 Administrator 197121
                                                                 0 Mar 8 15:27
                                                                                            .conda/
```

```
| Description | Substraction | Subs
```

```
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$
```

查看 conda 配置信息

```
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda info

active environment: base
active env location: D:\1
    shell level: 1
    user config file: C:\Users\Administrator\.condarc
populated config files: D:\1\.condarc
    conda version: 24.9.2
conda-build version: 24.9.0
    python version: 3.12.7.final.0
        solver: libmamba (default)
virtual packages: __archspec=1=x86_64_v4
        __conda=24.9.2=0
        __cuda=12.6=0
        __win=0=0
base environment: D:\1 (writable)
```

命令查看已有的 Conda 环境的名称和路径

使用 conda create 命令创建两个 Conda 环境,一个里面安装 Python 3.12 和 requests 软件包,另一个里面安装 Python 3.9、pandas 和 statsmodels 软件包,能够在终端里切换 Conda 环境,验证 Python 和软件包的版本

2025/3/19 12:13

prj1

```
$ conda create -n prj2 python=3.9 pandas statsmodels
  Channels:
      - defaults
 Platform: win-64
 Collecting package metadata (repodata.json): done
 Solving environment: done
 ## Package Plan ##
               environment location: D:\1\envs\prj2
               added / updated specs:
                              - pandas
                              - python=3.9
                                - statsmodels
   Administrator@DESKTOP-75CI4VE MINGW64 ~
 $ conda env list
# conda environments:
                                                                                                                                                                                      D:\1
D:\1\envs\prj1
D:\1\envs\prj2
 base
 prj1
prj2
   MINGW64:/c/Users/Administrator
                                                                                                                                     ommir-ab - 5-indaelis0_0
vitnon-3, 9.2-ha205438_1
vtnon-dateut11-2.9, 0,000tt0-py39haa95532_2-
ttnon-tzdata-2023.3-pyhdseb1b0_0
tz=2024.1-py39haa95532_0
1py-1_13.1-py39h8640f81_1
tut108_0-py1369180_1
tut108_0-py1369180_1
                                                                                                                             .pytz-2024.1-py39haa95532_0
:scipp-1.13.1-py39ha640f81_1
:setuptools-72.1.0-py39haa95532_0
:six-1.16.0-pyhd3eblb0_1
:six-1.85.3-h20bffb_0
:statsmodels-0.14.4-py39h827c3e9_0
:tbc3012.6-0.1956699_0
:tcdata-2025a-h04d1e81_0
:vc-14.2-14.ab35332_4
                 py
uptools
         oceed ([y]/n)?
                                                                      cting Pack
155.9 MB
19.6 MB
19.6 MB
10.4 MB
9.2 MB
6.5 MB
6.5 MB
2.7 MB
2.5 MB
2.5 MB
2.5 MB
2.5 MB
2.5 MB
2.5 MB
2.6 MB
2.6 MB
2.6 MB
2.6 MB
2.7 MB
2.6 MB
2.7 MB
2.6 MB
2.7 MB
2.7 MB
2.8 MB
2.7 MB
2.8 MB
2.9 MB

                    openmp-2023.1.
.0
ools-72.1.0
1.0.1
-dateutil-2.9.
ndom-1.2.8
024.1
--2.10.1
ing-24.2
--1.3.11
il.8.0
0.45.1
tzdata-2023.3
eck-1.4.2
vice-2.4
    [월函] ■ W M 1217 0 1217 0 1217 0 1217 1 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 1217 0 121
 激活 prj1 环境
  Administrator@DESKTOP-75CI4VE MINGW64 ~
 $ conda activate prj1
(prj1)
   Administrator@DESKTOP-75CI4VE MINGW64 ~
 $ which python
  /d/1/envs/prj1/python
  (prj1)
   Administrator@DESKTOP-75CI4VE MINGW64 ~
 $ python --version
   Python 3.12.9
```

(prj1)

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda activate prj2
(prj2)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ python
Python 3.9.21 (main, Dec 11 2024, 16:35:24) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import pandas
>>> pandas.--file--
File "<stdin>", line 1
    pandas.--file--

^
SyntaxError: invalid syntax
>>> pandas.__file__
'D:\\1\envs\\prj2\\lib\\site-packages\\pandas\\__init__.py'
>>>
```

### 查看版本信息

```
AttributeError: module 'pandas'
>>> pandas. __version__
'2.2.3'
>>> import statsmodels
>>> statsmodels. __version__
'0.14.4'
```

# 使用 conda list 命令显示 Conda 环境里的软件包列表及其版本信息

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda list
  packages in environment at D:\1\envs\prj2:
# Name
                             Version
                                                          Build
                                                                  Channel
blas
                             1.0
                                                             mk1
                             1.4.2
                                                py39hc99e966_0
bottleneck
                                                     haa95532_0
h6049295_2
                             2025.2.25
ca-certificates
                             2022.1.0
icc_rt
intel-openmp
                             2023.1.0
                                                h59b6b97_46320
mk1
                             2023.1.0
                                                h6b88ed4_46358
                             2.4.0
mkl-service
                                                py39h827c3e9_2
                                                py39h827c3e9_0
py39hc64d2fc_0
mkl_fft
mkl_random
                             1.3.11
                             1.2.8
numexpr
                             2.10.1
                                                py39h4cd664f_0
                             2.0.2
                                                py39h055cbcc_0
numpy
                                                py39h65a83cf_0
h3f729d1_0
numpy-base
                             3.0.16
openss1
packaging
                             24.2
                                                py39haa95532_0
pandas
                             2.2.3
                                                py39h5da7b33_0
                                                py39haa95532_0
                             1.0.1
patsy
                             25.0
                                                py39haa95532_0
pip
pybind11-abi
                                                     hd3eb1b0_0
                             3.9.21
                                                     h8205438 1
python
                             2.9.0post0
                                                py39haa95532_2
python-dateutil
python-tzdata
                             2023.3
                                                   pyhd3eb1b0_0
                             2024.1
pytz
                                                py39haa95532_0
                                                py39h8640f81_1
scipy
                             1.13.1
setuptools
                                                py39haa95532_0
                             72.1.0
                                                   pyhd3eb1b0_1
six
                             1.16.0
                                                h2bbff1b_0
py39h827c3e9_0
                             3.45.3
salite
statsmodels
                             0.14.4
                                                     h59b6b97_0
tbb
                             2021.8.0
tzdata
                             2025a
                                                     h04d1e81_0
                                                     haa95532_4
                             14.42
VC
                             14.42.34433
vs2015_runtime
                                                     he0abc0d_4
wheel
(pri2)
                             0.45.1
                                                py39haa95532_0
```

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda activate prj1
(prj1)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda list
  packages in environment at D:\1\envs\prj1:
# Name
                                                            Build
                                                                    Channe1
                              Version
brotli-python
                              1.0.9
                                                py312h5da7b33_9
                                                      h2bbff1b_6
haa95532_0
                              1.0.8
bzip2
ca-certificates
                              2025.2.25
                              2025.1.31
certifi
                                                py312haa95532_0
                              3.3.2
                                                    pyhd3eb1b0_0
charset-normalizer
                              2.6.4
                                                      h8ddb27b_0
expat
                                                py312haa95532_0
hd77b12b_1
idna
                              3.7
                              3.4.4
libffi
openss1
                              3.0.16
                                                      h3f729d1_0
pip
                              25.0
                                                py312haa95532_0
                                                py312haa95532_0
h14ffc60_0
py312haa95532_1
                              1.7.1
3.12.9
pysocks
python
                              2.32.3
requests
                              75.8.0
                                                py312haa95532_0
setuptools
                                                      h2bbff1b_0
                              3.45.3
sqlite
                                                      h0416ee5_0
h04d1e81_0
                              8.6.14
tk
tzdata
                              2025a
                                                py312haa95532_0
urllib3
                              2.3.0
                             14.42
14.42.34433
                                                      haa95532_4
vs2015_runtime
                                                      he0abc0d_4
                                                py312haa95532_0
wheel
                              0.45.1
                              1.1.0
                                                py312haa95532_0
win_inet_pton
xz
zlib
                                                      h4754444_1
                              5.6.4
                              1.2.13
                                                      h8cc25b3_1
(prj1)
```

### 使用 conda install 命令往 Conda 环境里安装更多的软件包,并验证版本

```
dministrator@DESKTOP-75CI4VE MINGW64 ~
S conda install ipython
Channels:
- defaults
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done
## Package Plan ##
   environment location: D:\1\envs\prj1
  added / updated specs:
   - ipython
The following packages will be downloaded:
                                                                   build
                                                   pyhd3eb1b0_0
py312haa95532_0
pyhd3eb1b0_0
      asttokens-2.0.5
                                                                                           20 KB
      colorama-0.4.6
decorator-5.1.1
                                                                                          53 KB
12 KB
                                                    pylid3eb1b0_0
pyhd3eb1b0_0
py312haa95532_0
py312haa95532_0
py312haa95532_0
py312haa95532_0
                                                                                         18 KB
1.5 MB
1.2 MB
19 KB
      executing-0.8.3
      ipython-8.30.0
jedi-0.19.2
matplotlib-inline-0.1.6
                                                                                         239 KB
733 KB
      parso-0.8.4
      prompt-toolkit-3.0.43
                                                    py312haa95532_0
```

```
ator@DESKTOP-75CI4VE MINGW64 -
  conda list
  packages in environment at D:\1\envs\prj1:
                                                                     Channel
# Name
                              Version
                                                            Build
                                                    pyhd3eb1b0_0
asttokens
                              2.0.5
                              1.0.9
brotli-python
                                                 py312h5da7b33_9
                                                h2bbff1b_6
haa95532_0
py312haa95532_0
bzip2
                              1.0.8
                              2025.2.25
2025.1.31
ca-certificates
certifi
                              3.3.2
                                                    pyhd3eb1b0_0
charset-normalizer
colorama
                              0.4.6
                                                 py312haa95532_0
                                                    pyhd3eb1b0_0
decorator
                              5.1.1
                              0.8.3
executing
                                                    pyhd3eb1b0_0
                              2.6.4
                                                      h8ddb27b_0
expat
                              3.7
                                                 py312haa95532_0
idna
                                                 py312haa95532_0
ipython
                              8.30.0
                                                py312haa95532_0
hd77b12b_1
                              0.19.2
jedi
libffi
                              3.4.4
matplotlib-inline
                                                 py312haa95532_0
                              0.1.6
                              3.0.16
openss1
                                                      h3f729d1_0
                                                py312haa95532_0
py312haa95532_0
py312haa95532_0
                              0.8.4
parso
pip
                              25.0
                              3.0.43
prompt-toolkit
prompt_toolkit
                              3.0.43
                                                      hd3eb1b0_0
                                                    pyhd3eb1b0_0
pure_eval
                              0.2.2
pygments
                                                py312haa95532_1
py312haa95532_0
                              2.15.1
                              1.7.1
pysocks
                                                      h14ffc60_0
python
                              2.32.3
75.8.0
                                                 py312haa95532_1
requests
                                                 py312haa95532_0
setuptools
                                                    pyhd3eb1b0
six
                              1.16.0
sqlite
                                                       h2bbff1b_0
                              3.45.3
                                                    pyhd3eb1b0_0
stack_data
                              0.2.0
                              8.6.14
                                                      h0416ee5_0
                                                 py312haa95532_0
                              5.14.3
traitlets
                              2025a
                                                       h04d1e81_0
tzdata
                              2.3.0
                                                 py312haa95532_0
urllib3
                              14.42
                                                       haa95532_4
                              14.42.34433
vs2015_runtime
                                                      he0abc0d_4
                                                    pyhd3eb1b0_0
wcwidth
                              0.2.5
                                                 py312haa95532_0
whee1
                              0.45.1
                                                 py312haa95532_0
win_inet_pton
                              1.1.0
                              5.6.4
                                                       h4754444_1
ΧZ
zlib
                                                       h8cc25b3_1
                              1.2.13
```

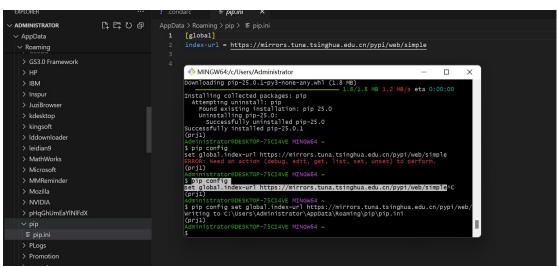
根据 文档,配置 Anaconda 清华镜像,加快 conda install 安装软件包的速度,将 conda-forge 设置为默认 Channel,让 conda install 能够安装更多的软件包

```
中の位置
> Recent
                                                 - conda-forge
- defaults
> repo
> Saved Games
                                                show channel urls: true
                                                 - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/main
> SendTo
                                                 - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/
> Templates
                                                  - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/msys2
> Videos
> WPS Cloud Files
                                                 conda-forge: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
> WPSDrive
                                                 pytorch: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
> Zotero
                                                channel priority: strict
■ .bash_history
$ .bash_profile
gitconfig
≣ .lesshst
■ NTUSER.DAT

≡ ntuser.dat.LOG2
■ NTUSER.DAT{b2a515e8-2ea2-11ed-92ce-b8...

■ NTUSER.DAT(b2a515e8-2ea2-11ed-92ce-b8.
```

## 根据 文档 配置 PyPI 清华镜像,加快 pip install 安装软件包的速度



```
(prj1)
     inistrator@DESKTOP-75CI4VE MINGW64 ~
Looking in indexes: https://mirrors.tuna.tsinghua.edu.cn/pypi/web/simple
Collecting tushare
Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/2b/b1/8aa06
e934b778920624047770cc8fd5518a1e9d3066043150a691f71edc1/tushare-1.4.19-py3-none-
any.whl (142 kB)
Collecting pandas (from tushare)
Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/29/d4/1244a
b8edf173a10fd601f7e13b9566c1b525c4f365d6bee918e68381889/pandas-2.2.3-cp312-cp312
-win_amd64.whl (11.5 MB)
Requirement already satisfied: requests in d:\1\envs\prj1\lib\site-packages (fro
m tushare) (2.32.3)
Collecting lxml (from tushare)
Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/2b/9c/8abe2
1585d20ef70ad9cec7562da4332b764ed69ec29b7389d23dfabcea0/lxml-5.3.1-cp312-cp312-w
in_amd64.whl (3.8 MB)
                                                                    - 3.8/3.8 MB 2.3 MB/s eta 0:00:00
Collecting simplejson (from tushare)
Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/bc/5d/4e243
e937fa3560107c69f6f7c2eed8589163f5ed14324e864871daa2dd9/simplejson-3.20.1-cp312-cp312-win_amd64.whl (75 kB)
traitlets
                                                                              py312haa95532_0
                                                                                               pypi_0
tushare
                                                 1.4.19
                                                                                                                  pypi
                                                4.12.2
                                                                                               pypi_0
typing-extensions
                                                                                                                  рурі
tzdata
                                                 2025.1
                                                                                               pypi_0
                                                                                                                  pypi
                                                                                       h57928b3_1
ucrt
                                                 10.0.22621.0
                                                                                                                  conda
urllib3
                                                2.3.0
14.42
                                                                              py312haa95532_0
haa95532_4
                                                                                                                  https
VC
                                                                                                                  https
                                                                                      hfd919c2_24
vc14_runtime
                                                14.42.34438
                                                                                                                  conda
                                                14.42.34438
vs2015_runtime
                                                                                     h7142326_24
                                                                                                                  conda-
wcwidth
                                                0.2.5
                                                                                    pyhd3eb1b0_0
                                                                                                                  https
                                                                              pypi_0
py312haa95532_0
websocket-client
                                                 1.8.0
                                                                                                                  pypi
whee1
                                                0.45.1
                                                                                                                  https
                                                                              py312haa95532_0
win_inet_pton
                                                1.1.0
                                                                                                                  https
                                                                                        h4754444_1
                                                5.6.4
xz
zlib
                                                                                                                  https
                                                 1.3.1
                                                                                       h2466b09_2
                                                                                                                  conda
(prj1)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ python
Python 3.12.9 | packaged by conda-forge | (main, Mar 4 2025, 22:37
Type "help", "copyright", "credits" or "license" for more informati
>>> import tushare
 >>> tushare. __version_
'1.4.19'
```

能够导出 environment.yml Conda 环境配置文件,能够删除 Conda 环境,能够用 environment.yml 配置文件重建 Conda 环境

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env export
name: prj1
channels:
  - conda-forge
  - defaults
  https://repo.anaconda.com/pkgs/mainhttps://repo.anaconda.com/pkgs/rhttps://repo.anaconda.com/pkgs/msys2
dependencies:
   - asttokens=2.0.5=pyhd3eb1b0_0
  - brotli-python=1.0.9=py312h5da7b33_9
- bzip2=1.0.8=h2bbff1b_6
  - ca-certificates=2025.2.25=haa95532_0
- certifi=2025.1.31=pyhd8ed1ab_0
  - charset-normalizer=3.3.2=pyhd3eb1b0_0
  - colorama=0.4.6=py312haa95532_0

- decorator=5.1.1=pyhd3eb1b0_0

- executing=0.8.3=pyhd3eb1b0_0
  - expat=2.6.4=h8ddb27b_0
  - idna=3.7=py312haa95532_0
 intel-openmp=2024.2.1=h57928b3_1083ipython=8.30.0=py312haa95532_0
prefix: D:\1\envs\prj1
(prj1)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env export -f environment.yml
(prj1)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda deactivate
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env list
 conda environments:
                           * D:\1
base
prj1
prj2
                               D:\1\envs\prj1
                               D:\1\envs\prj2
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env remove -n prj1
Remove all packages in environment D:\1\envs\prj1:
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env list
# conda environments:
base
                               D:\1
prj2
                               D:\1\envs\prj2
```

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ conda env list
# conda environments:
                            D:\1
base
prj2
                             D:\1\envs\prj2
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ cd repo
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ 1s -1
total 4
drwxr-xr-x 1 Administrator 197121 0 Mar 13 16:45 mywork/drwxr-xr-x 1 Administrator 197121 0 Mar 13 17:18 week02/
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ mkdir prj1
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ cd prj1
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/prj1
$ mv ~/environment.yml ./
```

```
∨ ADMINISTRATOR
                                                               日日で自
   > Desktop
     > Documents
                                                                                                                            - conda-forge
- defaults
    > Downloads
    > Favorites
                                                                                                                              - https://repo.anaconda.com/pkgs/main
                                                                                                                            - https://repo.anaconda.com/pkgs/r
- https://repo.anaconda.com/pkgs/msys2
   > IntelGraphicsProfiles
                                                                                                                         dependencies:
- asttokens=2.0.5=pyhd3eb1b0_0
- brotli-python=1.0.9=py312h5da7b33_9
- bzip2=1.0.8=h2bbff1b_6
- ca-certificates=2025.2.25=haa95532_0
- certifi=2025.1.31=pyhd8ed1ab_0
- charset-normalizer=3.3.2=pyhd3eb1b0_0
- colorama=0.4.6=py312haa95532_0
- decorator=5.1.1=pyhd3eb1b0_0
- executing=0.8.3=pyhd3eb1b0_0
- executing=0.8.3=pyhd3eb1b0_0
- expat=2.6.4=h8ddb27b_0
- idna=3.7=py312haa95532_0
- intel-openmp=2024.2.1=h57928b3_1083
- ipython=8.30.0=py312haa95532_0
- jedi=0.19.2=py312haa95532_0
- libblas=3.9.0=31_h641d27c_mk1
- libcxpat=2.6.4=he0c23c2_0
- libffi=3.4.4=hd77b12b_1
    > Local Settings
    > Music
     > My Documents
     > NetHood
     > OneDrive
     > Pictures
     > PrintHood
       > mywork
     ! environment.yml
         > week02
     > Saved Games
     > Searches
     > SendTo
     > Templates
```

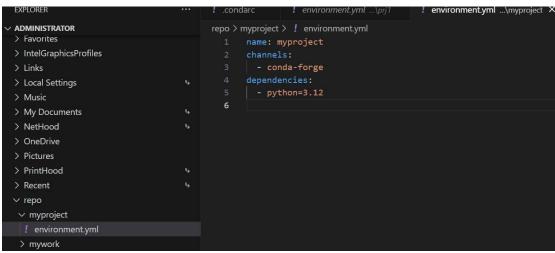
```
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/prj1
$ pwd
/c/Users/Administrator/repo/prj1
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/prj1
$ conda env create
```

按照 教程 创建项目目录,在 VS Code 文本编辑器里安装一些支持 Python 开发的常用扩展,编写 main.py 脚本,创建该项目专用的 Conda 环境,在终端里激活该环境并成功运行该脚本

```
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ pwd
/c/Users/Administrator
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~
$ mkdir myproject
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~ $ cd repo
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ mkdir myproject
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo
$ cd myproject
(base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ cat environment.yml
name: myproject
channels:

    conda-forge

dependencies:
  - python=3.12
  (base)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ 1s -1
total 1
```



```
dministrator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
  conda env list conda environments:
                                       D:\1
D:\1\envs\myproject
base
myproject
                                        D:\1\envs\prj1
D:\1\envs\prj2
prj1
prj2
(base)
          strator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ conda activate myproject
(myproject)
           trator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ conda list
# packages in environment at D:\1\envs\myproject:
                                         Version
1.0.8
2025.1.31
2.6.4
3.4.6
5.6.4
3.49.1
                                                                                   Build Channel
# Name
                                                                                                hannel
conda-forge
                                                                          h2466b09_7
h56e8100_0
he0c23c2_0
h537db12_0
h2466b09_0
h67fdade_2
bzip2
bzipz
ca-certificates
libexpat
libffi
liblzma
libsqlite
libzlib
                                                                  h2466b09_0
h67fdade_2
h2466b09_2
ha4493fda_0
pyh8b19718_0
h3f84c4b_1_cpython
pyhff2d567_0
h5226925_1
h78e105d_0
h57928b3_1
hbf610ac_24
hfd919c2_24
pyhd8ed1ab 1
                                         1.3.1
3.4.1
25.0.1
3.12.9
75.8.2
8.6.13
openssl
pip
python
setuptools
                                                                                                 conda-forge
                                                                                                 conda-forge
tk
tzdata
                                          2025a
                                                                                                 conda-forge
                                          10.0.22621.0
                                                                                                 conda-forge
ucrt
                                                                                                 conda-forge
VC
vc14_runtime
wheel
                                         14.42.34438
0.45.1
                                                                                                 conda-forge
                                                                       pyhd8ed1ab_1
                                                                                                 conda-forge
                                                                         г пап.ру
                               : епунопшенсупп
repo > myproject > 🏓 main.py
             def main():
                     print("Hello, conda!")
             if __name__ == "__main__":
    6
                     main()
                 ator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
(myproject)
```

```
1  import pandas as pd
2
3
4  def main():
5     print("Hello, conda!")
6     print (pd.__version__)
7     print (pd.__file__)
8
9  if __name__ == "__main__":
10  main()
```

```
$ python main.py
Hello, conda!
(myproject)
Administrator@DESKTOP-75CI4VE MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
2.2.3
D:\1\envs\myproject\Lib\site-packages\pandas\__init__.py
(myproject)
```