

```
MINGW64:/c/Users/86182 x + v
86182@LAPTOP-SC2US6CM MINGW64 ~
$ which conda
/d/anana/damangshe/Scripts/conda

86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda
usage: conda-script.py [-h] [-V] command ...

conda is a tool for managing and deploying applications, environments and packages.

Options:
positional arguments:
  command
    clean                Remove unused packages and caches.
    compare              Compare packages between conda environments.
    config               Modify configuration values in .condarc. This is modeled after the git config command. Writes to the
                        user .condarc file (C:\Users\86182\.condarc) by default. Use the --show-sources flag to display all
                        identified configuration locations on your computer.
    create               Create a new conda environment from a list of specified packages.
    info                 Display information about current conda install.
    init                 Initialize conda for shell interaction.
    install              Installs a list of packages into a specified conda environment.
    list                 List installed packages in a conda environment.
    package              Low-level conda package utility. (EXPERIMENTAL)
    remove               Remove a list of packages from a specified conda environment.
    rename               Renames an existing environment.
    run                  Run an executable in a conda environment.
    search               Search for packages and display associated information. The input is a MatchSpec, a query language for
```

```
MINGW64:/c/Users/86182 x + v
for each shell.
To see the specific files and locations on your system that will be affected before, use
the '--dry-run' flag. To see the exact changes that are being or will be made to each
location, use the '--verbose' flag.

IMPORTANT: After running 'conda init', most shells will need to be closed and restarted for
changes to take effect.

86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda init bash
no change      D:\anana\damangshe\Scripts\conda.exe
no change      D:\anana\damangshe\Scripts\conda-env.exe
no change      D:\anana\damangshe\Scripts\conda-script.py
no change      D:\anana\damangshe\Scripts\conda-env-script.py
no change      D:\anana\damangshe\condabin\conda.bat
no change      D:\anana\damangshe\Library\bin\conda.bat
no change      D:\anana\damangshe\condabin\_conda_activate.bat
no change      D:\anana\damangshe\condabin\rename_tmp.bat
no change      D:\anana\damangshe\condabin\conda_auto_activate.bat
no change      D:\anana\damangshe\condabin\conda_hook.bat
no change      D:\anana\damangshe\Scripts\activate.bat
no change      D:\anana\damangshe\condabin\activate.bat
no change      D:\anana\damangshe\condabin\deactivate.bat
modified       D:\anana\damangshe\Scripts\activate
modified       D:\anana\damangshe\Scripts\deactivate
modified       D:\anana\damangshe\etc\profile.d\conda.sh
modified       D:\anana\damangshe\etc\fish\conf.d\conda.fish
no change      D:\anana\damangshe\shell\condabin\Conda.psm1
modified       D:\anana\damangshe\shell\condabin\conda-hook.ps1
no change      D:\anana\damangshe\Lib\site-packages\xontrib\conda.xsh
modified       D:\anana\damangshe\etc\profile.d\conda.csh
modified       C:\Users\86182\.bash_profile

==> For changes to take effect, close and re-open your current shell. <==

86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

```
MINGW64:/c/Users/86182
no change      D:\anana\damangshe\shell\condabin\Conda.psm1
modified       D:\anana\damangshe\shell\condabin\conda-hook.ps1
no change      D:\anana\damangshe\Lib\site-packages\xontrib\conda.xsh
modified       D:\anana\damangshe\etc\profile.d\conda.csh
modified       C:\Users\86182\.bash_profile

==> For changes to take effect, close and re-open your current shell. <==

86182@LAPTOP-SC2US6CM MINGW64 ~
$ pwd
/c/Users/86182

86182@LAPTOP-SC2US6CM MINGW64 ~
$ ls -al
total 55716
drwxr-xr-x 1 86182 107600 0 2月 22 12:31 /
```

```
MINGW64:/c/Users/86182
(base)
86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

```
MINGW64:/c/Users/86182
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

```
MINGW64:/c/Users/86182
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$ code .
node:internal/modules/cjs/loader:1235
  throw err;
  ^

Error: Cannot find module 'D:\anana\damangshe\Library\d\Microsoft VS Code\resources\app\out\cli.js'
    at Module._resolveFilename (node:internal/modules/cjs/loader:1232:15)
    at Module._load (node:internal/modules/cjs/loader:1058:27)
    at c._load (node:electron/js2c/node_init:2:16955)
    at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:188:12)
    at node:internal/main/run_main_module:28:49 {
  code: 'MODULE_NOT_FOUND',
  requireStack: []
}

Node.js v20.18.2
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$ echo %PS1
%PS1
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

```
MINGW64:/c/Users/86182
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda info

      active environment : base
      active env location : D:\anana\damangshe
            shell level   : 1
      user config file    : C:\Users\86182\.condarc
populated config files :
      conda version       : 22.9.0
      conda-build version : 3.22.0
      python version      : 3.9.13.final.0
      virtual packages    : __win=0=0
                          __archspec=1=x86_64
      base environment    : D:\anana\damangshe (writable)
      conda av data dir   : D:\anana\damangshe\etc\conda
      conda av metadata url : None
      channel URLs        : https://repo.anaconda.com/pkg/main/win-64
                          https://repo.anaconda.com/pkg/main/noarch
                          https://repo.anaconda.com/pkg/r/win-64
                          https://repo.anaconda.com/pkg/r/noarch
                          https://repo.anaconda.com/pkg/msys2/win-64
                          https://repo.anaconda.com/pkg/msys2/noarch
      package cache       : D:\anana\damangshe\pkgs
                          C:\Users\86182\.conda\pkgs
                          C:\Users\86182\AppData\Local\conda\conda\pkgs
      envs directories    : D:\anana\damangshe\envs
                          C:\Users\86182\.conda\envs
                          C:\Users\86182\AppData\Local\conda\conda\envs
      platform            : win-64
      user-agent          : conda/22.9.0 requests/2.28.1 CPython/3.9.13 Windows/10
0 Windows/10.0.22631
      administrator      : False
      netrc file          : None
      offline mode        : False

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

此电脑 > Data (D:) > anana > damangshe > envs >

名称	修改日期	类型	大小
prj1	2025/3/22 13:04	文件夹	
prj2	2025/3/22 13:09	文件夹	
.conda_envs_dir_test	2025/3/22 13:02	CONDA_ENVS_D...	0 KB

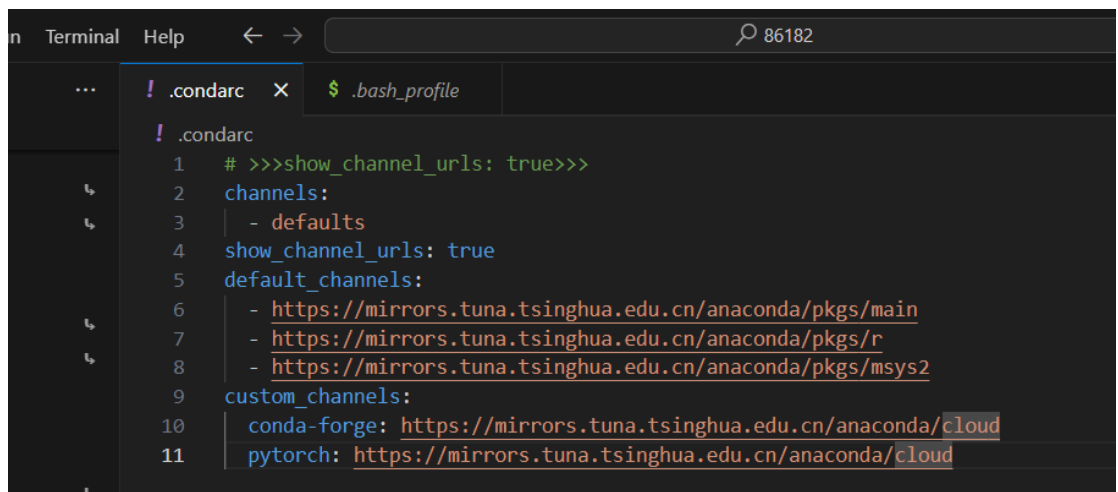
```
Relieving notices: ...Working... done

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda env list
# conda environments:
#
base                  * D:\anana\damangshe
prj1                  D:\anana\damangshe\envs\prj1
prj2                  D:\anana\damangshe\envs\prj2

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

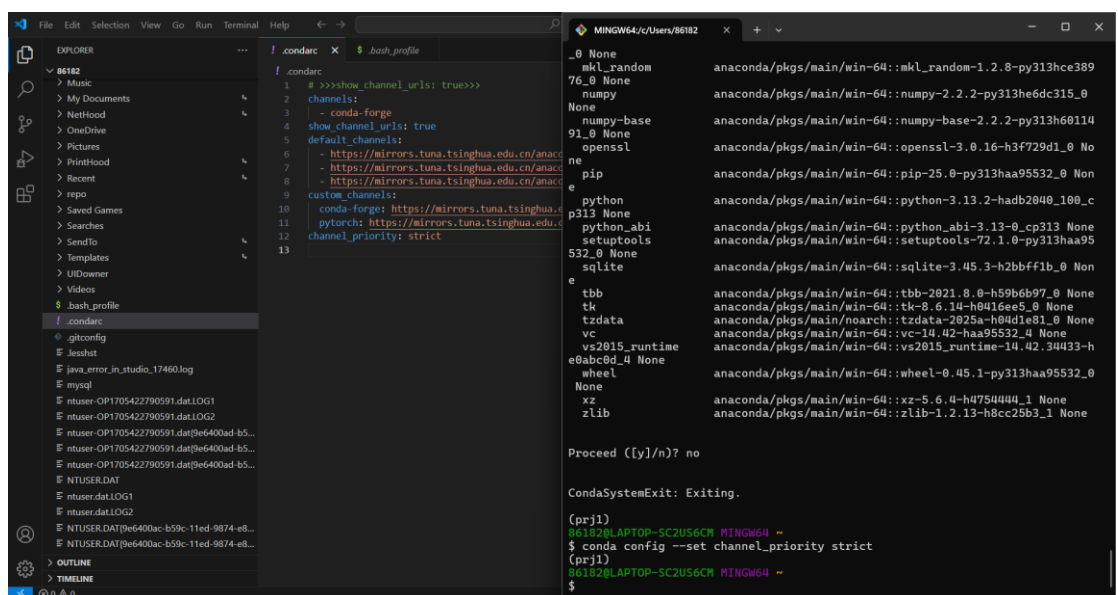
只能在对应的车间找到对应的软件包

1.



A screenshot of a code editor showing the contents of a `.condarc` file. The file is open in a window titled `.condarc` with a search bar at the top right showing `86182`. The file content is as follows:

```
1 # >>>show_channel_urls: true>>>
2 channels:
3   - defaults
4 show_channel_urls: true
5 default_channels:
6   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/main
7   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/r
8   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkgs/msys2
9 custom_channels:
10  conda-forge: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
11  pytorch: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
```



A screenshot of a terminal window showing the output of the `conda env list` command. The terminal window has a title bar with `MINGW64/c/Users/86182`. The output lists the installed environments and their dependencies:

```
_0 None
mkl_random anaconda/pkgs/main/win-64::mkl_random-1.2.8-py313hce389
76_0 None
numpy anaconda/pkgs/main/win-64::numpy-2.2.2-py313he6dc315_0
None
numpy-base anaconda/pkgs/main/win-64::numpy-base-2.2.2-py313h60114
91_0 None
openssl anaconda/pkgs/main/win-64::openssl-3.0.16-h3f729d1_0 No
e pip anaconda/pkgs/main/win-64::pip-25.0-py313haa95532_0 Non
python anaconda/pkgs/main/win-64::python-3.13.2-hadb2040-100_c
p313 None
python_abi anaconda/pkgs/main/win-64::python_abi-3.13-0_cp313 None
setuptools anaconda/pkgs/main/win-64::setuptools-72.1.0-py313haa95
532_0 None
sqlite anaconda/pkgs/main/win-64::sqlite-3.45.3-h2bbff1b_0 Non
e tbb anaconda/pkgs/main/win-64::tbb-2021.8.0-h50b6b97_0 None
tk anaconda/pkgs/main/win-64::tk-8.6.14-h0416ee5_0 None
tzdata anaconda/pkgs/main/noarch::tzdata-2025a-h04d1e81_0 None
vc anaconda/pkgs/main/win-64::vc-14.42-haa95532_4 None
vs2015_runtime anaconda/pkgs/main/win-64::vs2015_runtime-14.42.34433-h
e0abc8d_4 None
wheel anaconda/pkgs/main/win-64::wheel-0.45.1-py313haa95532_0
xz anaconda/pkgs/main/win-64::xz-5.6.4-h4754444_1 None
zlib anaconda/pkgs/main/win-64::zlib-1.2.13-h8cc25b3_1 None

Proceed ([y]/n)? no

CondaSystemExit: Exiting.

(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda config --set channel_priority strict
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$
```

```
MINGW64:/c/Users/86182
None
xz          anaconda/pkgs/main/win-64::xz-5.6.4-h4754444_1 None
zlib        anaconda/pkgs/main/win-64::zlib-1.2.13-h8cc25b3_1 None

Proceed ([y]/n)? no

CondaSystemExit: Exiting.

(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda config --set channel_priority strict
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ python
Python 3.12.9 | packaged by Anaconda, Inc. | (main, Feb  6 2025, 18:49:16) [
MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> import polars
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ModuleNotFoundError: No module named 'polars'
>>> quit()
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda install polars
Collecting package metadata (current_repodata.json): done
Solving environment: failed with initial frozen solve. Retrying with flexibil
e solve.
Solving environment: done
Collecting package metadata (repodata.json): done
Solving environment: failed with initial frozen solve. Retrying with flexibil
e solve.
Solving environment: done

## Package Plan ##

  environment location: D:\anana\damangshe\envs\prj1

  added / updated specs:
```

```
Retrieving notices: ...working... done
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ conda install tushare
Collecting package metadata (current_repodata.json): done
Solving environment: failed with initial frozen solve. Retrying with flexibil
e solve.
Collecting package metadata (repodata.json): done
Solving environment: failed with initial frozen solve. Retrying with flexibil
e solve.

PackagesNotFoundError: The following packages are not available from current
channels:
```

```
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ pip install tushare
Collecting tushare
  Downloading tushare-1.4.19-py3-none-any.whl.metadata (3.1 kB)
Collecting pandas (from tushare)
```

```
qdm-4.67.1 tushare-1.4.19 tzdata-2025.1 websocket-client-1.8.0
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ python -m pip install --upgrade pip
Requirement already satisfied: pip in d:\anana\damangshe\envs\prj
packages (25.0.1)
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ pip config set global.index-url https://mirrors.tuna.tsinghua.e
web/simple
Writing to C:\Users\86182\AppData\Roaming\pip\pip.ini
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ █
```

```
MINGW64/c/Users/86182
python_abi 3.12 5_cp312 conda-forge
pytz 2025.1 pypi_0 pypi
requests 2.32.3 pyhd8ed1ab_1 conda-forge
setuptools 75.8.2 pyhff2d567_0 conda-forge
simplejson 3.20.1 pypi_0 pypi
six 1.17.0 pyhd8ed1ab_0 conda-forge
soupsieve 2.6 pypi_0 pypi
sqlite 3.49.1 h2466b09_2 conda-forge
stack_data 0.6.3 pyhd8ed1ab_1 conda-forge
tbb 2021.13.0 h62715c5_1 conda-forge
tk 8.6.13 h5226925_1 conda-forge
tqdm 4.67.1 pypi_0 pypi
traitlets 5.14.3 pyhd8ed1ab_1 conda-forge
tushare 1.4.19 pypi_0 pypi
typing_extensions 4.12.2 pyha770c72_1 conda-forge
tzdata 2025.1 pypi_0 pypi
ucrt 10.0.22621.0 h57928b3_1 conda-forge
urllib3 2.3.0 pyhd8ed1ab_0 conda-forge
vc 14.3 hbf610ac_24 conda-forge
vc14_runtime 14.42.34438 hfd919c2_24 conda-forge
vs2015_runtime 14.42.34438 h7142326_24 conda-forge
wcwidth 0.2.13 pyhd8ed1ab_1 conda-forge
websocket-client 1.8.0 pypi_0 pypi
wheel 0.45.1 pyhd8ed1ab_1 conda-forge
win_inet_pton 1.1.0 pyh7428d3b_8 conda-forge
xz 5.6.4 h208afaa_0 conda-forge
xz-tools 5.6.4 h2466b09_0 conda-forge
zlib 1.3.1 h2466b09_2 conda-forge
zstandard 0.23.0 py312h4389bb4_1 conda-forge
(prj1)
86182@LAPTOP-SC2US6CM MINGW64 ~
$ 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.
>>> import tushare
>>> tushare.__version__
'1.4.19'
>>> tushare.__file__
'D:\anana\damangshe\envs\prj1\Lib\site-packages\tushare\__init__.py'
>>>
```

File Edit Selection View Go Run Terminal Help

EXPLORER

86182

Music

My Documents

NetHood

OneDrive

Pictures

PrintHood

Recent

repo

Saved Games

Searches

SendTo

Templates

UIDowner

Videos

.bash_profile

.condarc

gitconfig

lessht

environment.yml

java_error_in_studio_17460.log

mysql

ntuser-OP1705422790591.dat.LOG1

ntuser-OP1705422790591.dat.LOG2

ntuser-OP1705422790591.dat[9e6400ad-b5...

ntuser-OP1705422790591.dat[9e6400ad-b5...

ntuser-OP1705422790591.dat[9e6400ad-b5...

NTUSER.DAT

ntuser.dat.LOG1

ntuser.dat.LOG2

NTUSER.DAT[9e6400ac-b59c-11ed-9874-e8...

OUTLINE

TIMELINE

environment.yml

1 name: prj1

2 channels:

3 - conda-forge

4 - defaults

5 dependencies:

6 - asttokens=2.0.0-pyhd8ed1ab_1

7 - brotli-python=1.1.0-py312h275cf98_2

8 - bzip2=1.0.8-h2466b09_2

9 - ca-certificates=2025.1.31-h5668100_0

10 - certifi=2025.1.31-pyhd8ed1ab_0

11 - cffi=1.17.1-py312h4389bb4_0

12 - charset-normalizer=3.4.1-pyhd8ed1ab_0

13 - colorama=0.4.6-pyhd8ed1ab_1

14 - decorator=5.2.1-pyhd8ed1ab_0

15 - exceptiongroup=1.2.2-pyhd8ed1ab_1

16 - executing=2.1.0-pyhd8ed1ab_1

17 - expat=2.6.4-hedc23c2_0

18 - h2=4.2.0-pyhd8ed1ab_0

19 - hpack=4.1.0-pyhd8ed1ab_0

20 - hyperframe=6.1.0-pyhd8ed1ab_0

21 - idna=3.10-pyhd8ed1ab_1

22 - intel-openmp=2024.2.1-h57928b3_1083

23 - ipython=9.0.2-pyhc29cf9_0

24 - ipython-pygments-lexers=1.1.1-pyhd8ed1ab_0

25 - jedi=0.19.2-pyhd8ed1ab_1

26 - libblas=3.9.0-31-h641d27c_mkl

27 - libclang=9.0.0-31-h5e41251_mkl

28 - libexpat=2.6.4-hedc23c2_0

29 - libffi=3.4.6-h537d112_0

30 - libhwloc=2.11.2-default_ha69328c_1001

31 - libiconv=1.18-h135ad9c_1

32 - liblapack=3.9.0-31-h1aa476e_mkl

33 - liblzma=5.6.4-h2466b09_0

34 - liblzma-devel=5.6.4-h2466b09_0

35 - libsqlite=3.49.1-h67f4d62_2

36 - libwinpthread=12.0.0-r4.gd42fc60ca-h57928b3_1

37 - libxml2=2.13.6-he2868e8_0

MINGW64/c/Users/86182

[--n ENVIRONMENT] [--p PATH] [--f FILE]

[--no-builds] [--ignore-channels]

[--json] [--v] [--q] [--from-history]

Export a given environment

Options:

optional arguments:

-h, --help Show this help message and exit.

-c CHANNEL, --channel CHANNEL Additional channel to include in the export

--override-channels Do not include .condarc channels

-f FILE, --file FILE Do not include channel names with package names.

--no-builds Remove build specification from dependencies

--ignore-channels Do not include channel names with package names.

--from-history Build environment spec from explicit specs in history

Target Environment Specification:

--n ENVIRONMENT, --name ENVIRONMENT Name of environment.

--p PATH, --prefix PATH Full path to environment location (i.e. prefix).

Output, Prompt, and Flow Control Options:

--json Report all output as json. Suitable for using conda programmatically.

-v, --verbose Use once for info, twice for debug, three times for trace.

-q, --quiet Do not display progress bar.

examples:

conda env export

conda env export --file SOME_FILE

(prj1)

86182@LAPTOP-SC2US6CM MINGW64 ~

\$ conda env export -f environment.yml

(prj1)

86182@LAPTOP-SC2US6CM MINGW64 ~

\$

在自己的终端 (比如 Git Bash、Zsh 等) 配置好 Conda Init, 使得启动终端后, 在提示符 (比如 \$、%) 前能够看到 (base)

2. 使用 conda info 命令查看本机 Conda 的配置信息
3. 使用 conda env list 命令查看已有的 Conda 环境的名称和路径, 理解 **Conda 环境** 的概念
4. 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
5. 使用 conda list 命令显示 Conda 环境里的软件包列表及其版本信息
6. 使用 conda install 命令往 Conda 环境里安装更多的软件包, 并验证版本
7. 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
8. 使用 pip install 命令往 Conda 环境里安装 Python 软件包, 并验证版本
9. 根据 [文档](#) 配置 PyPI 清华镜像, 加快 pip install 安装软件包的速度
10. 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
11. 理解 Conda 与 Python 的关系, 理解 Conda-Forge 与 Conda 的关系, 理解 Python 解释器、第三方软件包、PyPI 软件仓库、以及程序/软件包的路径问题
12. 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

```
MINGW64:/c/Users/86182/repo x + v
e6400ad-b59c-11ed-9874-e8ba432c8d63}.TMContainer00000000000000000002.regtrans-
ms
drwxr-xr-x 1 86182 197609 0 3月 22 12:03 OneDrive/
drwxr-xr-x 1 86182 197609 0 12月 21 16:41 Pictures/
lrwxrwxrwx 1 86182 197609 66 2月 26 2023 PrintHood -> '/c/Users/86182
/AppData/Roaming/Microsoft/Windows/Printer Shortcuts'/
lrwxrwxrwx 1 86182 197609 55 2月 26 2023 Recent -> /c/Users/86182/App
Data/Roaming/Microsoft/Windows/Recent/
drwxr-xr-x 1 86182 197609 0 3月 15 18:25 repo/
drwxr-xr-x 1 86182 197609 0 2月 26 2023 'Saved Games'/
drwxr-xr-x 1 86182 197609 0 3月 20 13:04 Searches/
lrwxrwxrwx 1 86182 197609 55 2月 26 2023 SendTo -> /c/Users/86182/App
Data/Roaming/Microsoft/Windows/SendTo/
lrwxrwxrwx 1 86182 197609 58 2月 26 2023 Templates -> /c/Users/86182/
AppData/Roaming/Microsoft/Windows/Templates/
drwxr-xr-x 1 86182 197609 0 10月 31 2020 UIDownloader/
drwxr-xr-x 1 86182 197609 0 2月 26 2023 Videos/

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~
$ cd repo

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~/repo
$ pwd
/c/Users/86182/repo

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~/repo
$ ls -l
total 8
drwxr-xr-x 1 86182 197609 0 3月 15 16:32 mywork/
drwxr-xr-x 1 86182 197609 0 3月 15 16:51 week01/
drwxr-xr-x 1 86182 197609 0 3月 15 18:36 week02/

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~/repo
$ conda env list
# conda environments:
#
base          * D:\anana\damangshe
prj1          D:\anana\damangshe\envs\prj1
prj2          D:\anana\damangshe\envs\prj2
```

The image shows a Visual Studio Code editor on the left with a file named `main.py` containing the following Python code:

```
1 def main():
2     print("Hello, conda!")
3
4 if __name__ == "__main__":
5     main()
6
7
```

On the right, a terminal window titled `MINGW64:/c/Users/86182/rep` shows the following commands and output:

```
$ conda env list
# conda environments:
#
base                  * D:\anana\damangshe
my-project            D:\anana\damangshe\envs\my-project
prj1                  D:\anana\damangshe\envs\prj1
prj2                  D:\anana\damangshe\envs\prj2

(base) 86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ conda activate my-project
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ conda list
# packages in environment at D:\anana\damangshe\envs\my-project:
#
# Name                    Version            Build                Channel
bz2                        1.0.8              h2466b09_7          conda-forge
ca-certificates           2025.1.31          h56e8100_0          conda-forge
libexpat                  2.6.4              he0c23c2_0          conda-forge
libffi                    3.4.6              h537db12_0          conda-forge
liblzma                   5.6.4              h2466b09_0          conda-forge
libsqlite                 3.49.1             h67fdade_2          conda-forge
libzlib                   1.3.1              h2466b09_2          conda-forge
openssl                   3.4.1              ha4e3fda_0          conda-forge
pip                       25.0.1             pyh8b19718_0        conda-forge
python                    3.12.9             h3f8c4b1_1_cpython  conda-forge
setuptools                75.8.2             pyhf42d567_0        conda-forge
tk                         8.6.13             h5226925_1          conda-forge
tzdata                   2025a              h78e105d_0          conda-forge
ucrt                      10.0.22621.0       h57928b3_1          conda-forge
vc                         14.3               hbf610ac_24         conda-forge
vc14_runtime              14.42.34438        hfd919c2_24         conda-forge
wheel                     0.45.1             pyhd8ed1ab_1        conda-forge

(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ python main.py
Hello, conda!
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$
```

The terminal window continues with the following commands and output:

```
(base) 86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ conda activate my-project
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ conda list
# packages in environment at D:\anana\damangshe\envs\my-project:
#
# Name                    Version            Build                Channel
bz2                        1.0.8              h2466b09_7          conda-forge
done
#
# To activate this environment, use
#
#     $ conda activate my-project
#
# To deactivate an active environment, use
#
#     $ conda deactivate

Retrieving notices: ...working... done
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ python main.py
Hello, conda!
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ ls -l
total 2
-rw-r--r-- 1 86182 197609 88  3月 22 15:50 environment.yml
-rw-r--r-- 1 86182 197609 85  3月 22 15:51 main.py
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$
```

```
MINGW64/c/Users/86182/rej x + v
done
#
# To activate this environment, use
#
# $ conda activate my-project
#
# To deactivate an active environment, use
#
# $ conda deactivate

Retrieving notices: ...working... done
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ python main.py
Hello, conda!
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ ls -l
total 2
-rw-r--r-- 1 86182 197609 88 3月 22 15:50 environment.yml
-rw-r--r-- 1 86182 197609 85 3月 22 15:51 main.py
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ curl -O https://edg.epa.gov/EPADDataCommons/public/OA/EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
% Total % Received % Xferd Average Speed Time Time Time Current
t
Dload Upload Total Spent Left Speed
65 192M 65 125M 0 0 419k 0 0:07:49 0:05:05 0:02:44 346k
```

```
File Edit Selection View Go Run Terminal Help
EXTENSIONS: MARKETPLACE
@idmechatronerainbow-csv
Rainbow CSV
Highlight CSV and TSV files, Run SQL...
mechatroner

main.py x EPA_SmartLocation
1 import pandas as pd
2
3
4 def main():
5     """
6     Answers the question:
7
8     What percentage of U.S. residents live
9
10    "15.26" is the threshold on the index for
11    """
12    csv_file = "../EPA_SmartLocationDatabase
13    highly_walkable = 15.26
14
15    df = pd.read_csv(csv_file)
16
17    total_population = df["totPop"].sum()
18    highly_walkable_pop = df[df["NatWalkInd
19
20    percentage = (highly_walkable_pop / tota
21
22    print(f"({percentage:.2f})% of U.S. resid
23
24
25 if __name__ == "__main__":
26     main()
27

(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ ls -l
total 2
-rw-r--r-- 1 86182 197609 88 3月 22 15:50 environment.yml
-rw-r--r-- 1 86182 197609 85 3月 22 15:51 main.py
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ curl -O https://edg.epa.gov/EPADDataCommons/public/OA/EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
% Total % Received % Xferd Average Speed Time Time Time Current
t
Dload Upload Total Spent Left Speed
100 192M 100 192M 0 0 392k 0 0:08:20 0:08:20 --:--:-- 441k
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ ls -l
total 196846
-rw-r--r-- 1 86182 197609 88 3月 22 15:50 environment.yml
-rw-r--r-- 1 86182 197609 201568176 3月 22 16:07 EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
-rw-r--r-- 1 86182 197609 85 3月 22 15:51 main.py
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ ls -lh
total 193M
-rw-r--r-- 1 86182 197609 88 3月 22 15:50 environment.yml
-rw-r--r-- 1 86182 197609 193M 3月 22 16:07 EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
-rw-r--r-- 1 86182 197609 85 3月 22 15:51 main.py
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ python main.py
Hello, conda!
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$ python main.py
10.69% of U.S. residents live in highlywalkable neighborhoods.
(my-project)
86182@LAPTOP-SC2US6CM MINGW64 ~/repo/my-project
$
```