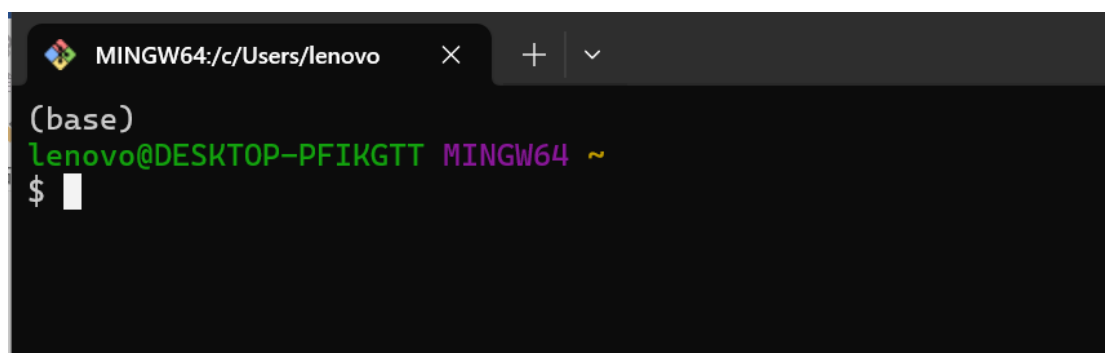


1. 在自己的终端 (比如 Git Bash、Zsh 等) 配置好 Conda Init, 使得启动终端后, 在提示符 (比如 `$`、`%`) 前能够看到 `(base)`

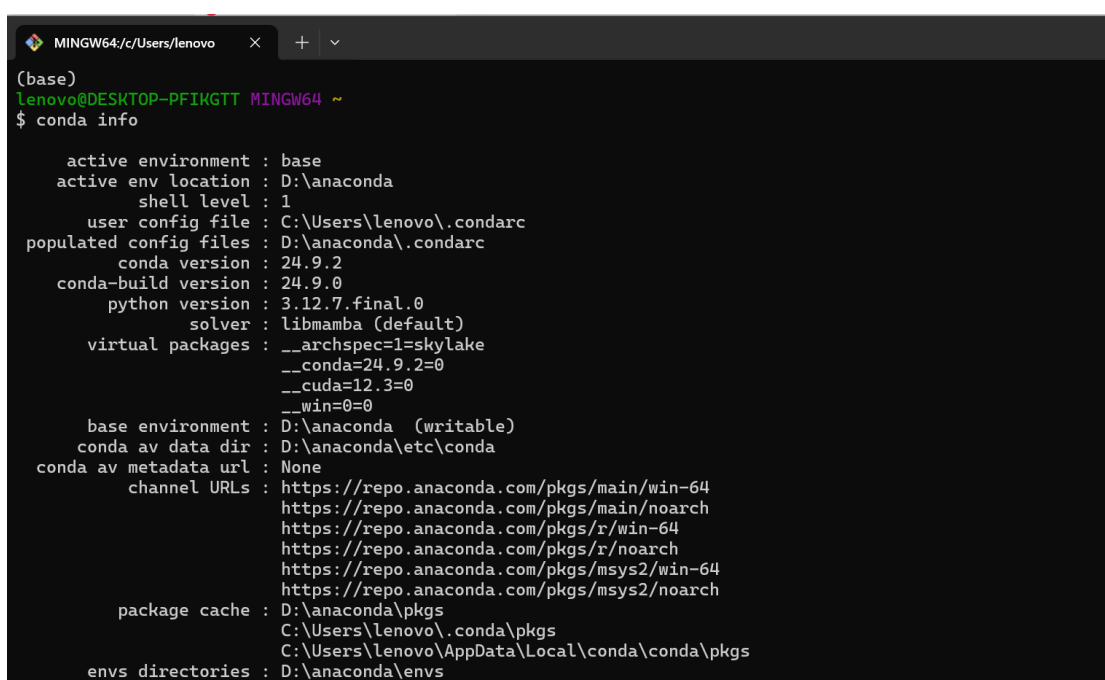


```
MINGW64:/c/Users/lenovo
(base)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$
```

2. 使用 `conda info` 命令查看本机 Conda 的配置信息

```
(base)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$ conda env list
# conda environments:
#
base                                * D:\anaconda
```

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



```
MINGW64:/c/Users/lenovo
(base)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$ conda info

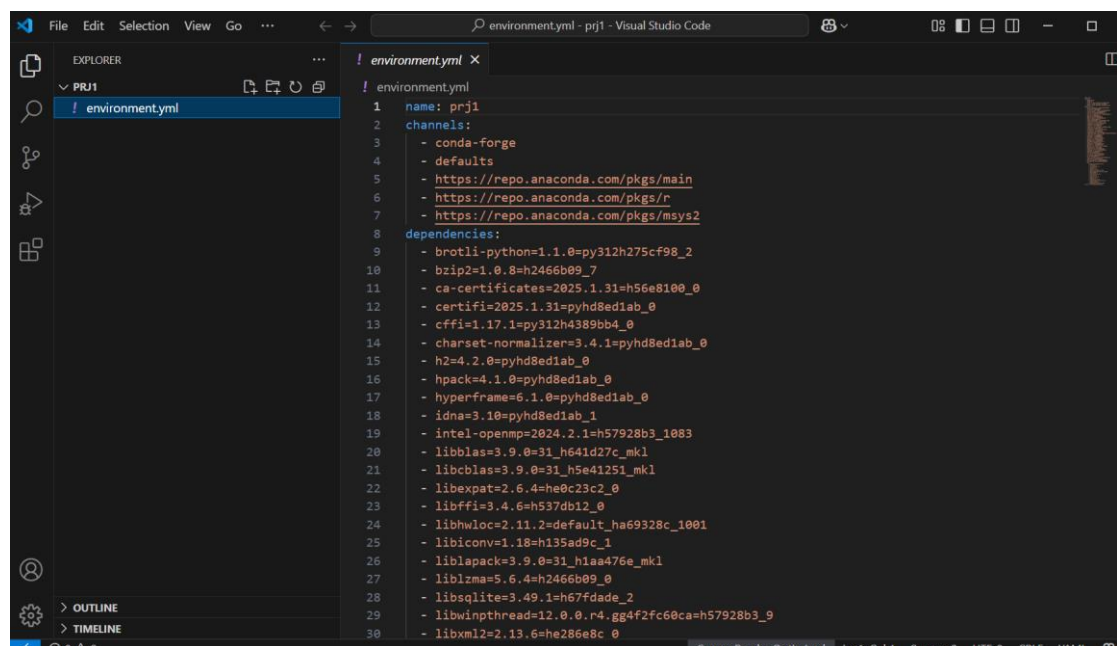
     active environment : base
     active env location : D:\anaconda
           shell level : 1
       user config file : C:\Users\lenovo\.condarc
 populated config files : D:\anaconda\.condarc
        conda version : 24.9.2
    conda-build version : 24.9.0
         python version : 3.12.7.final.0
           solver type : libmamba (default)
       virtual packages : __archspec=1=skylake
                        __conda=24.9.2=0
                        __cuda=12.3=0
                        __win=0=0
      base environment : D:\anaconda (writable)
    conda av data dir : D:\anaconda\etc\conda
   conda av metadata url : None
        channel URLs : https://repo.anaconda.com/pkgs/main/win-64
                        https://repo.anaconda.com/pkgs/main/noarch
                        https://repo.anaconda.com/pkgs/r/win-64
                        https://repo.anaconda.com/pkgs/r/noarch
                        https://repo.anaconda.com/pkgs/msys2/win-64
                        https://repo.anaconda.com/pkgs/msys2/noarch
          package cache : D:\anaconda\pkgs
                        C:\Users\lenovo\.conda\pkgs
                        C:\Users\lenovo\AppData\Local\conda\conda\pkgs
       envs directories : D:\anaconda\envs
```

4、conda create -n prj1 python=3.12 requests

```
(base)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$ conda env list
# conda environments:
#
base                  * D:\anaconda
prj1                  D:\anaconda\envs\prj1
prj2                  D:\anaconda\envs\prj2

(base)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$ conda activate prj1
(prj1)
lenovo@DESKTOP-PFIKGT MINGW64 ~
$
```

5、第三周任务 10 导出文件



```
environment.yml
1 name: prj1
2 channels:
3   - conda-forge
4   - defaults
5   - https://repo.anaconda.com/pkgs/main
6   - https://repo.anaconda.com/pkgs/r
7   - https://repo.anaconda.com/pkgs/msys2
8 dependencies:
9   - brotli-python=1.1.0=py312h275cf98_2
10  - bzip2=1.0.8=h2466b09_7
11  - ca-certificates=2025.1.31=h56e8100_0
12  - certifi=2025.1.31=pyhd8ed1ab_0
13  - cffi=1.17.1=py312h4389bb4_0
14  - charset-normalizer=3.4.1=pyhd8ed1ab_0
15  - h2=4.2.0=pyhd8ed1ab_0
16  - hpack=4.1.0=pyhd8ed1ab_0
17  - hyperframe=6.1.0=pyhd8ed1ab_0
18  - idna=3.10=pyhd8ed1ab_1
19  - intel-openmp=2024.2.1=h57928b3_1083
20  - libblas=3.9.0=31_h641d27c_mkl
21  - libcbblas=3.9.0=31_h5e41251_mkl
22  - libexpat=2.6.4=he0c23c2_0
23  - libffi=3.4.6=h537db12_0
24  - libhwloc=2.11.2=default_ha69328c_1001
25  - libiconv=1.18=h135ad9c_1
26  - liblapack=3.9.0=31_h1aa476e_mkl
27  - liblzma=5.6.4=h2466b09_0
28  - libsqlite=3.49.1=h67fdade_2
29  - libwinpthread=12.0.0.r4.gg4f2fc60ca=h57928b3_9
30  - libxml2=2.13.6=he286e8c_0
```

6、conda list

```
MINGW64/c/Users/lenovo/re x + v
pip 25.0.1 pyh8b19718_0 conda-forge
polars-lts-cpu 1.24.0 pypi_0 pypi
pyparser 2.22 pyh29332c3_1 conda-forge
pysocks 1.7.1 pyh09c184e_7 conda-forge
python 3.12.9 h3f84c4b_1_cpython conda-forge
python-dateutil 2.9.0.post0 pypi_0 pypi
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 pypi_0 pypi
soupsieve 2.6 pypi_0 pypi
tbb 2021.13.0 h62715c5_1 conda-forge
tk 8.6.13 h5226925_1 conda-forge
tqdm 4.67.1 pypi_0 pypi
tushare 1.4.19 pypi_0 pypi
typing-extensions 4.12.2 pypi_0 pypi
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
vcl4_runtime 14.42.34438 hfd919c2_24 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
zstandard 0.23.0 py312h4389bb4_1 conda-forge
(prj1)
lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/prj1
$
```

```
$ mkdir myproject
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ ls -l
total 0
drwxr-xr-x 1 lenovo 197121 0 3月 21 15:55 myproject/
drwxr-xr-x 1 lenovo 197121 0 3月 13 22:03 mywork/
drwxr-xr-x 1 lenovo 197121 0 3月 21 15:28 prj1/
drwxr-xr-x 1 lenovo 197121 0 3月 14 19:34 repo/
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ code myproject/
node:internal/modules/cjs/loader:1235
  throw err;
  ^
Error: Cannot find module 'D:\anaconda\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) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ cd myproject/
```

```
MINGW64:/c/Users/lenovo/re x + v
Node.js v20.18.2
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ cd myproject/
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ ls -l
total 1
-rw-r--r-- 1 lenovo 197121 75  3月 21 16:01 environment.yml
done
#
# To activate this environment, use
#
#   $ conda activate myproject
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ conda env list

# conda environments:
#
base                * D:\anaconda
myproject            D:\anaconda\envs\myproject
prj1                 D:\anaconda\envs\prj1
prj2                 D:\anaconda\envs\prj2

(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ conda activate myproject
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
```

```
MINGW64:/c/Users/lenovo/re x + v
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ conda activate myproject
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ conda list
# packages in environment at D:\anaconda\envs\myproject:
#
# Name                Version                Build                Channel
bzip2                 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
done
#
# To activate this environment, use
#
#   $ conda activate myproject
#
# To deactivate an active environment, use
#
#   $ conda deactivate

(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
Traceback (most recent call last):
  File "C:\Users\lenovo\repo\myproject\main.py", line 7, in <module>
```

```
MINGW64:/c/Users/lenovo/re  X + v
NameError: name 'pd' is not defined. Did you mean: 'id'?
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ ls -l
total 2
-rw-r--r-- 1 lenovo 197121 87 3月 21 16:20 environment.yml
-rw-r--r-- 1 lenovo 197121 128 3月 21 16:25 main.py
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ curl -O https://edg.epa.gov/EPADataCommons/public/OA/EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 192M 100 192M 0 0 164k 0 0:19:58 0:19:58 --:--:-- 54930
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ ls -l
total 196846
-rw-r--r-- 1 lenovo 197121 87 3月 21 16:20 environment.yml
-rw-r--r-- 1 lenovo 197121 201568176 3月 21 16:47 EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
-rw-r--r-- 1 lenovo 197121 128 3月 21 16:25 main.py
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ ls -lh
total 193M
-rw-r--r-- 1 lenovo 197121 87 3月 21 16:20 environment.yml
-rw-r--r-- 1 lenovo 197121 193M 3月 21 16:47 EPA_SmartLocationDatabase_V3_Jan_2021_Final.csv
-rw-r--r-- 1 lenovo 197121 128 3月 21 16:25 main.py
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ python main.py
10.69% of U.S. residents live in highlywalkable neighborhoods.
(myproject) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo/myproject
$ conda env list
```

```
MINGW64:/c/Users/lenovo/re  X + v
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~
$ pwd
/c/Users/lenovo
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~
$ cd repo
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ pwd
/c/Users/lenovo/repo
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ ls -l
total 0
drwxr-xr-x 1 lenovo 197121 0 3月 13 22:03 mywork/
drwxr-xr-x 1 lenovo 197121 0 3月 21 15:28 prj1/
drwxr-xr-x 1 lenovo 197121 0 3月 14 19:34 repo/
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ conda env list

# conda environments:
#
base * D:\anaconda
prj1 D:\anaconda\envs\prj1
prj2 D:\anaconda\envs\prj2

(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
$ ls -l
total 0
drwxr-xr-x 1 lenovo 197121 0 3月 13 22:03 mywork/
drwxr-xr-x 1 lenovo 197121 0 3月 21 15:28 prj1/
drwxr-xr-x 1 lenovo 197121 0 3月 14 19:34 repo/
(base) lenovo@DESKTOP-PFIKGT MINGW64 ~/repo
```