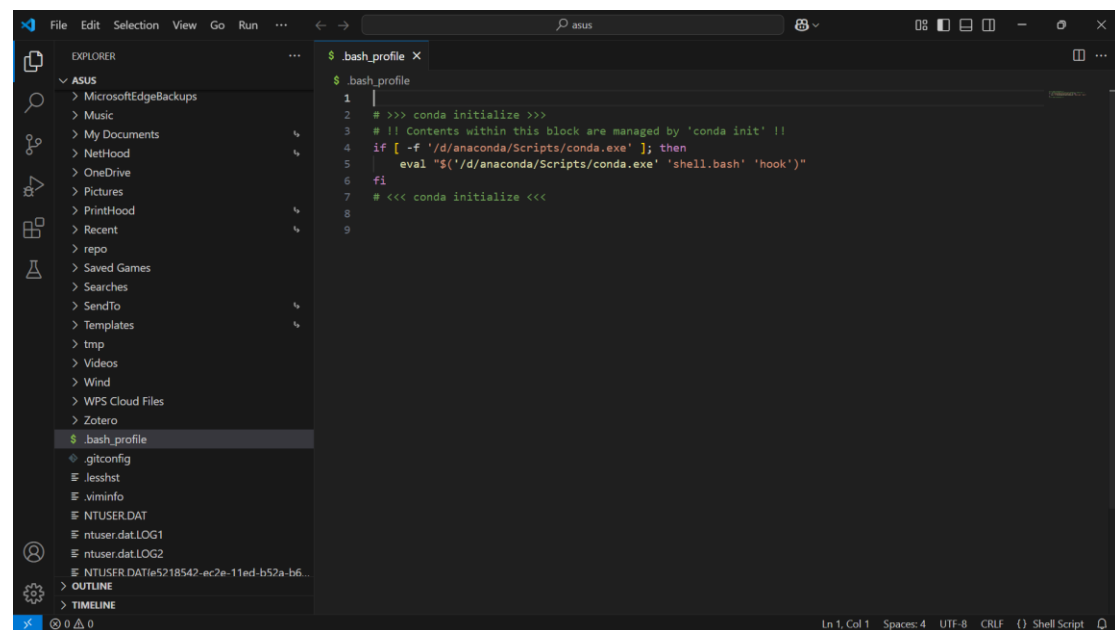


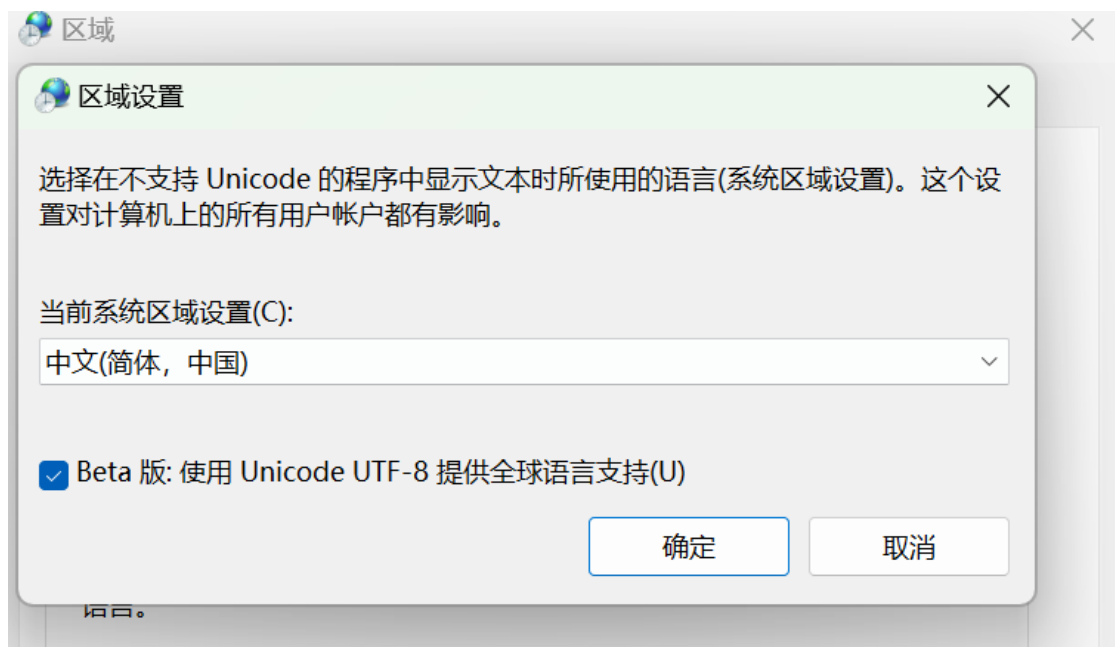
在自己的终端配置 Conda Init



遇到字符编码的错误，询问大模型后在 **Conda** 配置文件内容，强制使用 **utf-8** 编码，同时在系统区域设置支持 **UTF - 8** 编码，问题解决。

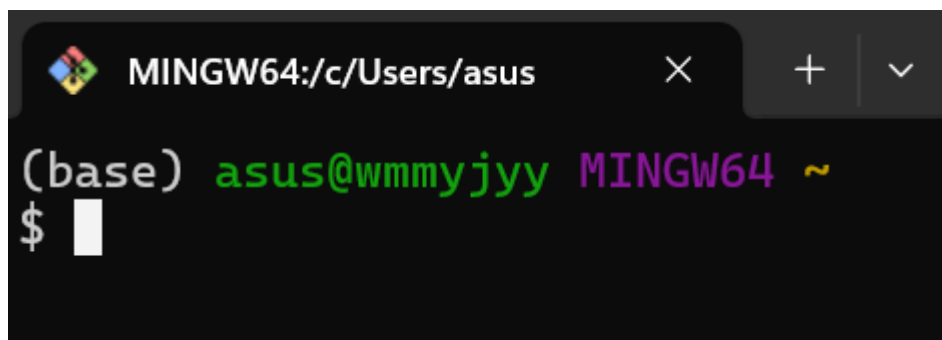
```
Exception in thread Thread-5 (_readerthread):  
Traceback (most recent call last):  
File "D:\anaconda\Lib\threading.py", line 1075, in _bootstrap_inner  
    self.run()  
File "D:\anaconda\Lib\threading.py", line 1012, in run  
    self._target(*self._args, **self._kwargs)  
File "D:\anaconda\Lib\subprocess.py", line 1599, in _readerthread  
    buffer.append(fh.read())  
    ^^^^^^^^^^^  
UnicodeDecodeError: 'gbk' codec can't decode byte 0xa3 in position 501: illegal multibyte sequence  
Unexpected cygpath error, fallback to manual path conversion  
AttributeError: 'NoneType' object has no attribute 'strip'  
  
# >>>>>>>>>>>>>>> ERROR REPORT <<<<<<<<<<<<<<<<<  
  
Traceback (most recent call last):  
File "D:\anaconda\Lib\site-packages\conda\ExceptionHandler.py", line 18, in __call__  
    return func(*args, **kwargs)  
    ^^^^^^^^^^^^^^^^^^^^^^^^^^^^  
File "D:\anaconda\Lib\site-packages\conda\cli\main.py", line 87, in main_sourced  
    print(activator.execute(), end='')  
UnicodeEncodeError: 'gbk' codec can't encode character '\u0202a' in position 757: illegal multibyte sequence  
  
'$ D:\anaconda\Scripts\conda-script.py shell.posix activate base'  
  
environment variables:  
ACLOCAL_PATH=D:\Git\mingw64\share\aclocal;D:\Git\usr\share\aclocal  
CIO_TEST=<not set>  
CONDA_ALLOW_SOFTLINKS=false  
CONDA_EXE=D:\anaconda\Scripts\conda.exe
```

```
.bash_profile  bash.bashrc X
D: > Git > etc > $ bash.bashrc
57 case "$(declare -p PS1 2>/dev/null)" in
58 'declare -x '*) ;; # okay
59 *)
60     export PS1='\[\e]0;\w\a\]\n\[\e[32m\]\u@h \[\e[35m\]$MSYSTEM\[\e[0m\] \[\e[33m\]\w\[\e[0
61     ;;
62 esac
63 unset _ps1_symbol
64
65 # Uncomment to use the terminal colours set in DIR_COLORS
66 # eval "$(dircolors -b /etc/DIR_COLORS)"
67
68 # Fixup git-bash in non login env
69 shopt -q login_shell || . /etc/profile.d/git-prompt.sh
70
71 export LC_ALL=en_US.UTF-8
72 export LANG=en_US.UTF-8
73
```



The screenshot shows the Visual Studio Code editor with a file explorer on the left and a code editor on the right. The file explorer shows a directory named 'PROFILED' containing several shell scripts: 'aliases.sh', 'bash_profile.sh', 'env.sh', 'git-prompt.sh' (selected), 'lang.sh', 'perlbin.csh', and 'perlbin.sh'. The code editor displays the content of 'git-prompt.sh', which is a shell script designed to customize the Git command-line interface. It includes logic to set the window title, change the prompt color and format based on the operating system (MINGW or MSYS), and configure Git completion paths. The script uses various escape sequences for colors and window titles.

```
$ git-prompt.sh
1  if test -f /etc/profile.d/git-sdk.sh
2  then
3      TITLEPREFIX=SDK-${MSYSTEM#MINGW}
4  else
5      TITLEPREFIX=$MSYSTEM
6  fi
7
8  if test -f ~/.config/git/git-prompt.sh
9  then
10     ~/.config/git/git-prompt.sh
11 else
12     PS1='\[\033]0;TITLEPREFIX:$PWD\007\]' # set window title
13     #PS1="$PS1"\n' # new line
14     PS1="$PS1"\[\033[32m\]' # change to green
15     PS1="$PS1"u@h ' # user@host<space>
16     PS1="$PS1"\[\033[35m\]' # change to purple
17     PS1="$PS1"$MSYSTEM ' # show MSYSTEM
18     PS1="$PS1"\[\033[33m\]' # change to brownish yellow
19     PS1="$PS1"'\w' # current working directory
20     if test -z "$WINELOADERNOEXEC"
21     then
22         GIT_EXEC_PATH="$(git --exec-path 2>/dev/null)"
23         COMPLETION_PATH="$GIT_EXEC_PATH/libexec/git-core"
24         COMPLETION_PATH="$COMPLETION_PATH/lib/git-core"
25         COMPLETION_PATH="$COMPLETION_PATH/share/git/completion"
26         if test -f "$COMPLETION_PATH/git-prompt.sh"
27         then
28             . "$COMPLETION_PATH/git-completion.bash"
29             . "$COMPLETION_PATH/git-prompt.sh"
30             PS1="$PS1"\[\033[36m\]' # change color to cyan
31             PS1="$PS1"__git_ps1' # bash function
32     fi
fi
```



The screenshot shows a terminal window with a tab labeled 'git-prompt.sh' and another tab labeled '.bash_profile'. The terminal displays the content of the '.bash_profile' script, which is a shell script designed to initialize the Conda environment. It includes logic to check if Conda is installed and to set up the environment variables for Conda. The script uses various escape sequences for colors and window titles.

```
$ git-prompt.sh $ .bash_profile X
C: > Users > asus > $ .bash_profile
1
2 # >>> conda initialize >>>
3 # !! Contents within this block are managed by 'conda init' !!
4 if [ -f '/d/anaconda/Scripts/conda.exe' ]; then
5     eval "$('/d/anaconda/Scripts/conda.exe' 'shell.bash' 'hook')"
6 fi
7 # <<< conda initialize <<<
8
9 PS1="\n$PS1"
```

The screenshot shows a terminal window displaying a list of recent directories. The list is organized into columns: the first column shows the directory path, the second column shows the date and time, and the third column shows the directory name. The list includes directories such as 'Recent', 'repo', 'Saved Games', 'Searches', 'SendTo', 'Templates', 'tmp', 'Videos', 'Wind', 'WPS Cloud Files', and 'Zotero'.

```
lrwxrwxrwx 1 asus 197121 54 May 7 2023 Recent -> /c/Users/asus/AppData/Roaming/Microsoft/Windows/Recent/
drwxr-xr-x 1 asus 197121 0 Mar 16 19:51 repo/
drwxr-xr-x 1 asus 197121 0 May 7 2023 'Saved Games'/
drwxr-xr-x 1 asus 197121 0 Sep 3 2024 Searches/
lrwxrwxrwx 1 asus 197121 54 May 7 2023 SendTo -> /c/Users/asus/AppData/Roaming/Microsoft/Windows/SendTo/
lrwxrwxrwx 1 asus 197121 57 May 7 2023 Templates -> /c/Users/asus/AppData/Roaming/Microsoft/Windows/Templates/
drwxr-xr-x 1 asus 197121 0 Dec 11 15:19 tmp/
drwxr-xr-x 1 asus 197121 0 May 7 2023 Videos/
drwxr-xr-x 1 asus 197121 0 Dec 29 16:58 Wind/
drwxr-xr-x 1 asus 197121 0 Jan 6 10:57 'WPS Cloud Files'/
drwxr-xr-x 1 asus 197121 0 Aug 14 2024 Zotero/

(base) asus@wmmmyjyy MINGW64 ~
$
```

理解 Conda 环境，创建两个 Conda 环境

```
Proceed ([y]/n)? y
```

```
Downloading and Extracting Packages:
```

```
Preparing transaction: done
```

```
Verifying transaction: done
```

```
Executing transaction: done
```

```
#
```

```
# To activate this environment, use
```

```
#
```

```
#     $ conda activate prj1
```

```
#
```

```
# To deactivate an active environment, use
```

```
#
```

```
#     $ conda deactivate
```

```
(base) asus@wmmjyy MINGW64 ~
```

```
$ 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:\anaconda\envs\prj2
```

```
added / updated specs:
```

- pandas
- python=3.9
- statsmodels

```

(base) asus@wmmjyy MINGW64 ~
$ conda env list
# conda environments:
#
base                  *  D:\anaconda
prj1                  D:\anaconda\envs\prj1
prj2                  D:\anaconda\envs\prj2

(base) asus@wmmjyy MINGW64 ~
$ conda activate prj1
(prj1)
asus@wmmjyy MINGW64 ~
$ which python
/d/anaconda/envs/prj1/python
(prj1)
asus@wmmjyy MINGW64 ~
$ python --version
Python 3.12.9
(prj1)
asus@wmmjyy MINGW64 ~
$

```

配置 Anaconda 清华镜像

```

$ .bash_profile  $ bash.bashrc  ! .condarc
! .condarc
1 channels:
2   - defaults
3 show_channel_urls: true
4 default_channels:
5   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/main
6   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/r
7   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/msys2
8 custom_channels:
9   conda-forge: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
10  pytorch: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud

```

```

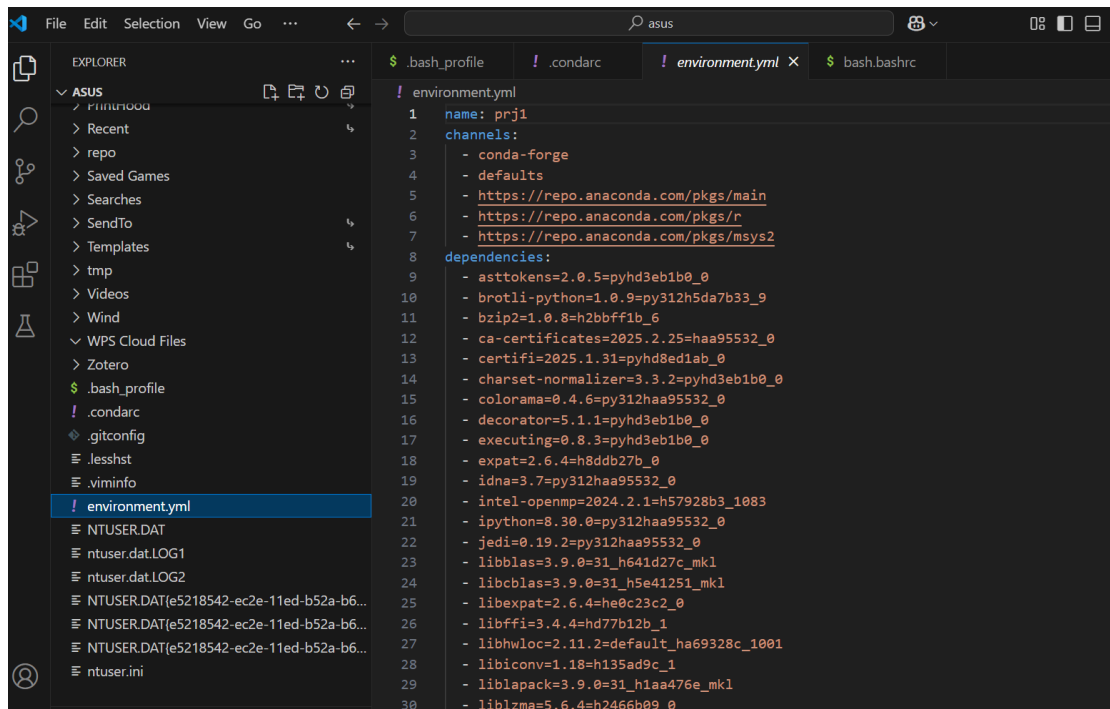
! .condarc
1 channels:
2   - conda-forge
3 show_channel_urls: true
4 default_channels:
5   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/main
6   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/r
7   - https://mirrors.tuna.tsinghua.edu.cn/anaconda/pkg/msys2
8 custom_channels:
9   conda-forge: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud
10  pytorch: https://mirrors.tuna.tsinghua.edu.cn/anaconda/cloud

```

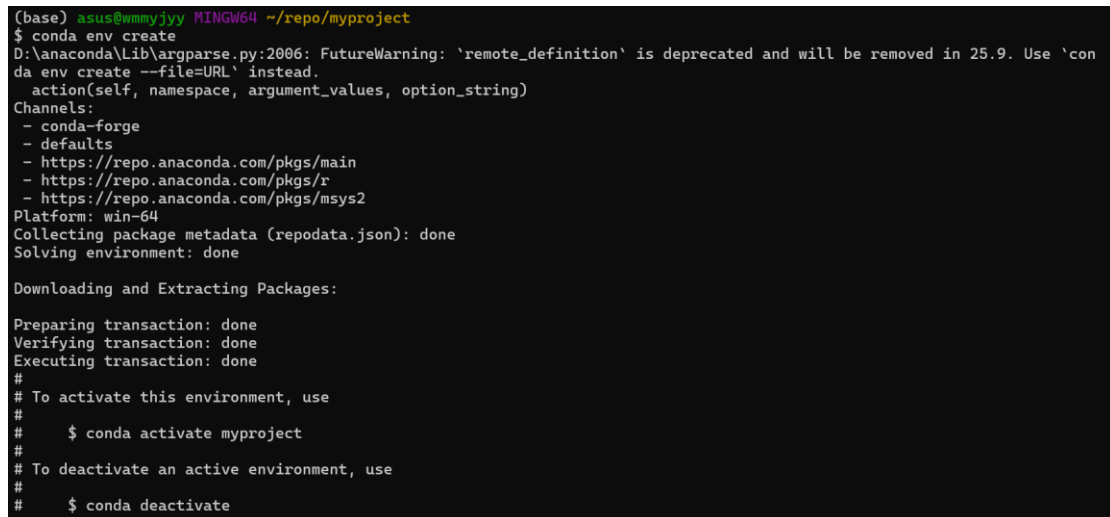
```
asus@wmmjyy MINGW64 ~  
$ pip install tushare  
Looking in indexes: https://mirrors.tuna.tsinghua.edu.cn/pypi/web/simple  
Collecting tushare  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/2b/b1/8aa06e934b778920624047770cc8fd5518a1e9d3066043150a691f71edc1/tushare-1.4.19-py3-none-any.whl (142 kB)  
Collecting pandas (from tushare)  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/29/d4/1244ab8edf173a10fd601f7e13b9566c1b525c4f365d6bee918e68381889/pandas-2.2.3-cp312-cp312-win_amd64.whl (11.5 MB)  
11.5/11.5 MB 6.4 MB/s eta 0:00:00  
Requirement already satisfied: requests in d:\anaconda\envs\prj1\lib\site-packages (from tushare) (2.32.3)  
Collecting lxml (from tushare)  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/2b/9c/8abe21585d20ef70ad9cec7562da4332b764ed69ec29b7389d23dfabcea0/lxml-5.3.1-cp312-cp312-win_amd64.whl (3.8 MB)  
3.8/3.8 MB 6.9 MB/s eta 0:00:00  
Collecting simplejson (from tushare)  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/bc/5d/4e243e937fa3560107c69f6f7c2eed8589163f5ed14324e864871daa2dd9/simplejson-3.20.1-cp312-cp312-win_amd64.whl (75 kB)  
Collecting bs4 (from tushare)  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/51/bb/bf7aab772a159614954d84aa832c129624ba6c32faa559dfb200a534e50b/bs4-0.0.2-py2.py3-none-any.whl (1.2 kB)  
Collecting websocket-client<=0.57.0 (from tushare)  
  Downloading https://mirrors.tuna.tsinghua.edu.cn/pypi/web/packages/5a/84/44687a29792a70e111c5c477230a72c4b957d88d16141199bf9acb7537a3/websocket_client-1.8.0-py3-none-any.whl (58 kB)
```

```
asus@wmmjyy MINGW64 ~  
$ conda env export  
name: prj1  
channels:  
  - conda-forge  
  - defaults  
  - https://repo.anaconda.com/pkgs/main  
  - https://repo.anaconda.com/pkgs/r  
  - https://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_1083
```

导出环境配置文件，并用环境配置文件重建 Conda 环境



```
! 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   - asttokens=2.0.5=pyhd3eb1b0_0
10  - brotli-python=1.0.9=py312h5da7b33_9
11  - bzip2=1.0.8=h2bbff1b_6
12  - ca-certificates=2025.2.25=haa95532_0
13  - certifi=2025.1.31=pyhd8ed1ab_0
14  - charset-normalizer=3.3.2=pyhd3eb1b0_0
15  - colorama=0.4.6=py312haa95532_0
16  - decorator=5.1.1=pyhd3eb1b0_0
17  - executing=0.8.3=pyhd3eb1b0_0
18  - expat=2.6.4=h8ddb27b_0
19  - idna=3.7=py312haa95532_0
20  - intel-openmp=2024.2.1=h57928b3_1083
21  - ipython=8.30.0=py312haa95532_0
22  - jedi=0.19.2=py312haa95532_0
23  - libblas=3.9.0=31_h641d27c_mkl
24  - libcblas=3.9.0=31_h5e41251_mkl
25  - libexpat=2.6.4=he0c23c2_0
26  - libffi=3.4.4=hd77b12b_1
27  - libhwloc=2.11.2=default_ha69328c_1001
28  - libiconv=1.18=h135ad9c_1
29  - liblapack=3.9.0=31_h1aa476e_mkl
30  - liblzma=5.6.4=h2466b09_0
```

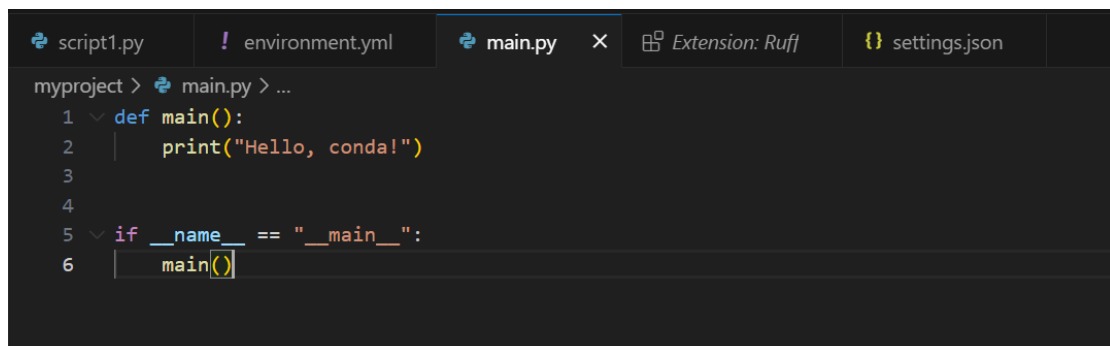


```
(base) asus@wmmjy MINGW64 ~/repo/myproject
$ conda env create
D:\anaconda\Lib\argparse.py:2006: FutureWarning: 'remote_definition' is deprecated and will be removed in 25.9. Use 'conda env create --file=URL' instead.
  action(self, namespace, argument_values, option_string)
Channels:
- conda-forge
- defaults
- https://repo.anaconda.com/pkgs/main
- https://repo.anaconda.com/pkgs/r
- https://repo.anaconda.com/pkgs/msys2
Platform: win-64
Collecting package metadata (repodata.json): done
Solving environment: done

Downloading and Extracting Packages:

Preparing transaction: done
Verifying transaction: done
Executing transaction: done
#
# To activate this environment, use
#
#   $ conda activate myproject
#
# To deactivate an active environment, use
#
#   $ conda deactivate
```

编写脚本，创建该项目专用的环境，在终端里激活该环境并成功运行该脚本



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

```
asus@wmmyjyy MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
(myproject)
```

```
asus@wmmyjyy MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
(myproject)
asus@wmmyjyy MINGW64 ~/repo/myproject
$ python main.py
Hello, conda!
2.2.3
D:\anaconda\envs\myproject\Lib\site-packages\pandas\__init__.py
(myproject)
asus@wmmyjyy MINGW64 ~/repo/myproject
$
```