

第三周

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),

```
Mate-X@LAPTOP-4NBTP3M8 MINGW64 ~  
$ conda init bash  
no change      E:\Anaconda\Scripts\conda.exe  
no change      E:\Anaconda\Scripts\conda-env.exe  
no change      E:\Anaconda\Scripts\conda-script.py  
no change      E:\Anaconda\Scripts\conda-env-script.py  
no change      E:\Anaconda\condabin\conda.bat  
no change      E:\Anaconda\Library\bin\conda.bat  
no change      E:\Anaconda\condabin\_conda_activate.bat  
no change      E:\Anaconda\condabin\rename_tmp.bat  
no change      E:\Anaconda\condabin\conda_auto_activate.bat  
no change      E:\Anaconda\condabin\conda_hook.bat  
no change      E:\Anaconda\Scripts\activate.bat  
no change      E:\Anaconda\condabin\activate.bat  
no change      E:\Anaconda\condabin\deactivate.bat  
modified       E:\Anaconda\Scripts\activate  
modified       E:\Anaconda\Scripts\deactivate  
modified       E:\Anaconda\etc\profile.d\conda.sh  
modified       E:\Anaconda\etc\fish\conf.d\conda.fish  
no change      E:\Anaconda\shell\condabin\Conda.psm1  
modified       E:\Anaconda\shell\condabin\conda-hook.ps1  
no change      E:\Anaconda\Lib\site-packages\xontrib\conda.xsh  
modified       E:\Anaconda\etc\profile.d\conda.csh  
modified       C:\Users\Mate-X\.bash_profile  
  
==> For changes to take effect, close and re-open your current shell. <==
```

要在 VS code 中删除某行命令, 可以在前面加#, 将该行命令转化为注释。

```
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
```

由于配置原因, 在配置了 conda init 之后, 我在启动终端之后并没有显示出 base, 因此向 chat gpt 寻求解决办法并最终解决问题。

2. 使用 conda info 命令查看本机的 Conda 的配置信息

```

Mate-X@LAPTOP-4NBTP3M8 MINGW64 ~
$ conda info

      active environment : None
      user config file   : C:\Users\Mate-X\.condarc
populated config files  : E:\Anaconda\.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=skylake
                        __conda=24.9.2=0
                        __cuda=10.2=0
                        __win=0=0
   base environment     : E:\Anaconda (writable)
  conda av data dir     : E:\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      : E:\Anaconda\pkgs
                        C:\Users\Mate-X\.conda\pkgs
                        C:\Users\Mate-X\AppData\Local\conda\conda\pkgs
   envs directories    : E:\Anaconda\envs
                        C:\Users\Mate-X\.conda\envs
                        C:\Users\Mate-X\AppData\Local\conda\conda\envs
        platform       : win-64

```

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

```

Mate-X@LAPTOP-4NBTP3M8 MINGW64 ~
$ conda env list
# conda environments:
#
base                                E:\Anaconda

```

Conda 环境是 Anaconda 或 Miniconda 提供了一种工具，用于创建独立的、隔离的软件包和依赖项集合，使用户能够在同一台机器上为不同项目配置互不干扰的运行环境。通过 Conda 环境，用户可以为每个项目安装特定版本的编程语言（如 Python）、库（如 NumPy、Pandas）或其他工具，避免全局安装导致的版本冲突，同时支持跨平台管理，并能方便地导出、共享或复现特定配置。