#### 1Clone到本地

【[如何使用Git将Github项目拉到本地\_git下载项目到本地-CSDN博客](https://blog.csdn.net/RandyHan/article/details/125402566?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171098808516777224469121%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171098808516777224469121&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~top_click~default-1-125402566-null-null.142%5ev99%5epc_search_result_base3&utm_term=%E6%80%8E%E4%B9%88%E6%8A%8Agithub%E6%8B%89%E5%88%B0%E6%9C%AC%E5%9C%B0&spm=1018.2226.3001.4187)】

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git clone git@github.com:linjh1118/WisdoMentor-3B.git

Cloning into 'WisdoMentor-3B'...

/c/Users/HP/.ssh/config: line 3: Bad configuration option: hostwame

/c/Users/HP/.ssh/config: terminating, 1 bad configuration options

fatal: Could not read from remote repository.

Please make sure you have the correct access rights

and the repository exists.

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git clone https://github.com/linjh1118/WisdoMentor-3B.git

Cloning into 'WisdoMentor-3B'...

fatal: unable to access 'https://github.com/linjh1118/WisdoMentor-3B.git/': OpenSSL SSL\_connect: SSL\_ERROR\_SYSCALL in connection to github.com:443

【[Git - SSL\_ERROR\_SYSCALL 问题解决-CSDN博客](https://blog.csdn.net/Kanmeijie/article/details/120745367?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171101043316800222872097%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171101043316800222872097&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~sobaiduend~default-1-120745367-null-null.142%5ev99%5epc_search_result_base3&utm_term=SSL_ERROR_SYSCALL&spm=1018.2226.3001.4187)】

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git remote set-url origin git@github.com:linjh1118/WisdoMentor-3B.git

fatal: not a git repository (or any of the parent directories): .git

【挂代理后】

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git clone https://github.com/linjh1118/WisdoMentor-3B.git

Cloning into 'WisdoMentor-3B'...

remote: Enumerating objects: 42, done.

remote: Counting objects: 100% (42/42), done.

remote: Compressing objects: 100% (25/25), done.

fatal: fetch-pack: invalid index-pack output| 274.00 KiB/s

fetch-pack: unexpected disconnect while reading sideband packet

【[git拉取项目太大失败(超时)\_fetch-pack: unexpected disconnect while reading si-CSDN博客](https://blog.csdn.net/A8186/article/details/124591517?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171101075816800227438049%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171101075816800227438049&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~top_positive~default-1-124591517-null-null.142%5ev99%5epc_search_result_base3&utm_term=fetch-pack%3A%20unexpected%20disconnect%20while%20reading%20sideband%20packet&spm=1018.2226.3001.4187)】

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git clone --depth 1 https://github.com/linjh1118/WisdoMentor-3B.git

Cloning into 'WisdoMentor-3B'...

remote: Enumerating objects: 26, done.

remote: Counting objects: 100% (26/26), done.

remote: Compressing objects: 100% (19/19), done.

remote: Total 26 (delta 1), reused 19 (delta 1), pack-reused 0

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git fetch --unshallow

fatal: not a git repository (or any of the parent directories): .git

【[fatal: not a git repository (or any of the parent directories): .git 解决方案\_fatal: 不是 git 仓库(或者任何父目录):.git-CSDN博客](https://blog.csdn.net/cplvfx/article/details/131330867?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171099300816800180639741%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171099300816800180639741&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~top_positive~default-1-131330867-null-null.142%5ev99%5epc_search_result_base3&utm_term=fatal%3A%20not%20a%20git%20repository%20%28or%20any%20of%20the%20parent%20directories%29%3A%20.git&spm=1018.2226.3001.4187)】

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft

$ git init

Initialized empty Git repository in D:/Program/桌面/垂类/sft/.git/

HP@LAPTOP-D7931K0R MINGW64 /d/Program/桌面/垂类/sft (master)

$ git fetch --unshallow

fatal: --unshallow on a complete repository does not make sense

完成。

#### 2移动库

【scode中移动】@弹窗@Error: EPERM: operation not permitted, rename 'd:\Program桌面垂类sft\WisdoMentor-3B' ->'d:\Program\桌面\垂类\WisdoMentor-3B'

【关闭vscode后文件管理器移动】

完成。

#### 3连接服务器

【参照[VsCode配置ssh免密远程登录\_vscode免密登录ssh-CSDN博客](https://blog.csdn.net/qq_44571245/article/details/123031276)】

【C:\Users\HP\.ssh\config】

# Read more about SSH config files:https://linux.die.net/man/5/ssh config

Host chy

    HostName 202.198.27.139

    port 2222

User chy

【C:\Users\HP\.ssh\id\_rsa】

-----BEGIN OPENSSH PRIVATE KEY-----

b3BlbnNzaC1rZXktdjEAAAAABG5vbmUAAAAEbm9uZQAAAAAAAAABAAABlwAAAAdzc2gtcn

NhAAAAAwEAAQAAAYEA1yybNfFzWZiqWoQT+E+lI9mR3zzcdf2wRAjFyDu6IEFkunAvtE9l

pzyxVw2GCwZs+QIq3DSPSDLHk6FidXL6XY4EBhCVDIMiKiExNEJ6xGQcy31ZcgMW2AHNhP

0zm8TuthOT3/3R+28zGVKBV3iXj81Ufxf6nI0XWVX7uzZMJuI0uUaauiCPiNI7jRm7Ge6v

KoDHeN8uS6yFf12NPznS80GlFfFWZ11o3Nv8jU6kof4R++HYb5P2wSASMiSwwFFnfDFNC2

j3tnAFPd4JFPQ/Cjkr7+GwzG/ht5cctAFzlV0u/z3Kv0o6iZBt3h0CtdDlzHCLPpfKA5Dc

KeqNhJ/twGpWOfRh8BGnaWvF2qxcSTKtakntUWkVVRc/KorLkC3WPAtRV4c0lC5E9VPejg

MgGMB/qJ+ZbeNUWRnTx7VxKXlqY28NcuwGcuYv8ez7tven4Hr7BMPMYv1CYpvgfnpJrOXX

+kKgCa/lW1zXVKHBaFt3kV3TeyYK36jNTw6VoZGvAAAFkG6Zf2pumX9qAAAAB3NzaC1yc2

EAAAGBANcsmzXxc1mYqlqEE/hPpSPZkd883HX9sEQIxcg7uiBBZLpwL7RPZac8sVcNhgsG

bPkCKtw0j0gyx5OhYnVy+l2OBAYQlQyDIiohMTRCesRkHMt9WXIDFtgBzYT9M5vE7rYTk9

/90ftvMxlSgVd4l4/NVH8X+pyNF1lV+7s2TCbiNLlGmrogj4jSO40ZuxnuryqAx3jfLkus

hX9djT850vNBpRXxVmddaNzb/I1OpKH+Efvh2G+T9sEgEjIksMBRZ3wxTQto97ZwBT3eCR

T0Pwo5K+/hsMxv4beXHLQBc5VdLv89yr9KOomQbd4dArXQ5cxwiz6XygOQ3CnqjYSf7cBq

Vjn0YfARp2lrxdqsXEkyrWpJ7VFpFVUXPyqKy5At1jwLUVeHNJQuRPVT3o4DIBjAf6ifmW

3jVFkZ08e1cSl5amNvDXLsBnLmL/Hs+7b3p+B6+wTDzGL9QmKb4H56Sazl1/pCoAmv5Vtc

11ShwWhbd5Fd03smCt+ozU8OlaGRrwAAAAMBAAEAAAGAdeALzwtMg6KsgBWm0vrenrsLvF

2c8E5fh4W+w6hkmFL6mV/n4kE0kN8gz22rJtMIU4kqbaOlconO50MbqvenzCSGc8QVwtr7

llTEnbplgrzNQXST0W97zi1+pwIGiajilIA5HBXyOGl8drzJ+l8nuDFlvpImSijIx7ngw3

hFU2/MLktNa/V2bB+vW+bippwo/YG6xK6OsAn8v/9B54cH1xb5FwI0sT9suMESo16Xtd53

f6MDbGyEWtv0299ZrKFqq/SQhkh1lOLXRbdljoVB1+y02bBl7DVbUVPeCbtHZ2goeiKVIu

lAsGM3yhLk2o6zzfYIB+2c5BkYCLk1MrtXA8r4GiIZ0kFHrNDUtaZmiXClvAm7v9lAefg6

/t5+jyfcvlUwPUXBLGszBkN5lpRy+CtspMCEu50ZiPhpv5SGAxPx9WGXYOh4oD4gCgmxkN

nqVFP4Wso7PnnPePx18pqeuBPOSTS8JQWzN+0nVAZ6A7gw8Tl8+DHRG8L57l8OeFbRAAAA

wFb67kFTjoybwGbJJWeVD7pIv2ExT7j0fXqd7Z2Uh5/zv9Jb4o0ljqKPVe9NEKf0JPIzDx

hc6/SphiptN+fbj8xd+kew0kS1HOB5htSo7r69pKvF3xR49WuIP+mP3qnAjyyMIudoKLau

nE4ZG0wLbG4auWTcJmg47TGry4jaQslkgyLSzGauuFOJzrscLlaxMHvzLZ1cNXGOyiYmli

8vtM4sqTMR9dGJ9bB2JZIpzFpmNlVdqDP3vXWDwI8ATJL/1gAAAMEA+Ss7yi2nCDlgWayy

IkeaBArhLPoNJCJ0UfLBHGNV2KGoqUtSMci0R/Zg0INei5vh1w2B6AbehffmIXSxxwoAx5

m+N3ORRITvCDt1p/Kv2df1RkR00w/P9d2plXNxZQou5y7wkeNzg+7uAx9BrE2052IH9a0A

c0ZrwGpTxdQ1AGlsWFKEAd91W81fiJpaxZReIt/QlqAbEys4OaWZuhWgNBYKCzWkBgrX9P

Bb34Ly/biJMCArNa1CRdFYt9f9hZ/9AAAAwQDdEsjqsEyp4AV6OnjN46zm7lNi7vGW91Y3

zG+TKKdzhPoiIRTJPiEtMeMWgik1xqWLsw4k9/4stX8Y5P7Hx0jylTYoKkeIi5Rw7ecpgT

Z4AJwR8TFnvOHOkfP/Nha+qrEy4JS4wxF3S4lrdq9vVbdQWv8QRyQF7/iRe+1N1QtykG8n

DVRF2nw8SMzuOSzwkHy1N+66Y5ibS/GGh3nJHAyx/qnjkDR2D+xClUYvIOcD9Jl1oY32Rk

3x2I5D5KiSGhsAAAAWYWtlam9uZXNhakBvdXRsb29rLmNvbQECAwQF

-----END OPENSSH PRIVATE KEY-----

【C:\Users\HP\.ssh\id\_rsa.pub】

ssh-rsa  hp@LAPTOP-D7931K0R

#### 4xshell

[Xshell正版免费，再也不用找破解版了！\_xshell是免费的吗-CSDN博客](https://blog.csdn.net/qq_45719413/article/details/112728052)

[XShell免费版的安装配置教程以及使用教程（超级详细、保姆级）-CSDN博客](https://blog.csdn.net/m0_67400972/article/details/125346023)

+---[RSA 3072]----+ +---[RSA 3072]----+

| =| | o+E |

| E\*| |o+= . |

| o| |\*\*.= o . |

| . oo. | |O.o o . o |

| . S oo+o.| |o+ . . oSo |

| . ..o+=| |+ + . .o\* . |

| . . . \*=| | = . .+.= . |

| . o \*| |o.o o.B.o |

| .. . | |+. ... oo\*o. |

+------[MD5]------+ +----[SHA256]-----+



#### 3连接服务器

【xshell】

Connecting to 202.198.27.139:2222...

Connection established.

To escape to local shell, press 'Ctrl+Alt+]'.

Connection closing...Socket close.

Connection closing...Socket close.

Connection closed by foreign host.

Disconnected from remote host(240322) at 09:25:29.

   此时没连校园网。【连接】

Type `help' to learn how to use Xshell prompt.

[C:\~]$

Connecting to 202.198.27.139:2222...

Connection established.

To escape to local shell, press 'Ctrl+Alt+]'.

Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-26-generic x86\_64)

\* Documentation: https://help.ubuntu.com

\* Management: https://landscape.canonical.com

\* Support: https://ubuntu.com/pro

Expanded Security Maintenance for Applications is not enabled.

11 updates can be applied immediately.

To see these additional updates run: apt list --upgradable

17 additional security updates can be applied with ESM Apps.

Learn more about enabling ESM Apps service at https://ubuntu.com/esm

Last login: Fri Mar 22 23:15:55 2024 from 127.0.0.1

(base) chy@chy-desktop:~$ ssh-keygen -t rsa

Generating public/private rsa key pair.

Enter file in which to save the key (/home/chy/.ssh/id\_rsa):

/home/chy/.ssh/id\_rsa already exists.

Overwrite (y/n)? y

Enter passphrase (empty for no passphrase):

Enter same passphrase again:

Your identification has been saved in /home/chy/.ssh/id\_rsa

Your public key has been saved in /home/chy/.ssh/id\_rsa.pub

The key fingerprint is:

SHA256:uk7vRUIO3G/cZbarC89pao17o1kMgNzKs+O4GYgqGG8 chy@chy-desktop

The key's randomart image is:

+---[RSA 3072]----+

| |

| o + |

| = = + |

| . = + . + . |

| + S \* . . |

|.. . + + o . |

|oo. . = ooo . |

|+ E \* + .o\*=o |

|o. +o+.o.=\*\*o |

+----[SHA256]-----+

(base) chy@chy-desktop:~$ cd .ssh/

(base) chy@chy-desktop:~/.ssh$ ll

total 40

drwx------ 2 chy chy 4096 3月 22 23:22 ./

drwxr-x--- 44 chy chy 4096 3月 23 09:28 ../

-rw-rw-r-- 1 chy chy 1145 10月 16 09:34 authorized\_keys

-rw-r--r-- 1 chy chy 12288 3月 22 22:01 .authorized\_keys.swp

【比网上教程多出来的文件】

【[Linux——vim编辑文件时——.swp文件解决方案\_删除.swp-CSDN博客](https://blog.csdn.net/weixin_74795859/article/details/134672257)

[linux 删除文件的几种方式\_linux删除文件-CSDN博客](https://blog.csdn.net/weixin_45168162/article/details/121529696)】

-rw------- 1 chy chy 2602 3月 23 09:29 id\_rsa

-rw-r--r-- 1 chy chy 569 3月 23 09:29 id\_rsa.pub

-rw------- 1 chy chy 1704 1月 31 23:43 known\_hosts

-rw-r--r-- 1 chy chy 726 12月 18 08:58 known\_hosts.old

【删除缓存文件】

(base) chy@chy-desktop:~/.ssh$ rm -rf .authorized\_keys.swp

(base) chy@chy-desktop:~/.ssh$ ll

total 28

drwx------ 2 chy chy 4096 3月 23 09:38 ./

drwxr-x--- 44 chy chy 4096 3月 23 09:28 ../

-rw-rw-r-- 1 chy chy 1145 10月 16 09:34 authorized\_keys

-rw------- 1 chy chy 2602 3月 23 09:29 id\_rsa

-rw-r--r-- 1 chy chy 569 3月 23 09:29 id\_rsa.pub

-rw------- 1 chy chy 1704 1月 31 23:43 known\_hosts

-rw-r--r-- 1 chy chy 726 12月 18 08:58 known\_hosts.old

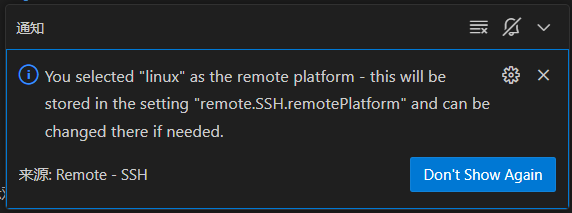
(base) chy@chy-desktop:~/.ssh$ vim authorized\_keys

(base) chy@chy-desktop:~/.ssh$ echo "ssh-rsa  hp@LAPTOP-D7931K0R" >> ~/authorized\_keys

【[编辑器之神——vim编辑器(详细、完整)-CSDN博客](https://blog.csdn.net/m0_73185293/article/details/131261754)】

(base) chy@chy-desktop:~/.ssh$ vim authorized\_keys

【复制ssh-rsa进去】



#### 6进入根目录

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ cd /root

bash: cd: /root: Permission denied

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ cd ../../root

bash: cd: ../../root: No such file or directory

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ cd ../

chy@chy-desktop:~/dream/miaoyw$ cd ../

chy@chy-desktop:~/dream$ cd ../

chy@chy-desktop:~$ cd ../

chy@chy-desktop:/home$ cd ../

chy@chy-desktop:/$ cd ../../root

bash: cd: ../../root: Permission denied

chy@chy-desktop:/$ cd /root

bash: cd: /root: Permission denied

chy@chy-desktop:/$ cd ./root

bash: cd: ./root: Permission denied

不允许，切换到root用户

#### 7装包报错

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ conda create -n sft\_myw python=3.10

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ pip install transformers=4.36.0

Defaulting to user installation because normal site-packages is not writeable

ERROR: Invalid requirement: 'transformers=4.36.0'

Hint: = is not a valid operator. Did you mean == ?

chy@chy-desktop:~/dream/miaoyw/miniCPM-bf16$ pip install transformers==4.36.0

Found existing installation: transformers 4.39.1

Uninstalling transformers-4.39.1:

Successfully uninstalled transformers-4.39.1

安装时没有列出安装transformers，结果现在说已存在。

WARNING: The script transformers-cli is installed in '/home/chy/.local/bin' which is not on PATH.

Consider adding this directory to PATH or, if you prefer to suppress this warning, use --no-warn-script-location.

ERROR: pip's dependency resolver does not currently take into account all the packages that are installed. This behaviour is the source of the following dependency conflicts.

flagembedding 1.2.8 requires accelerate>=0.20.1, which is not installed.

flagembedding 1.2.8 requires datasets, which is not installed.

Successfully installed transformers-4.36.0

[WARNING: The scripts ... are installed in /home/.../.local/bin which is not on PATH. 警告之解决\_warning: the script wsdump is installed in '/home/-CSDN博客](https://blog.csdn.net/iprobobo/article/details/123306771)

还是报错。

要先激活再装包。

【【error】anaconda3/bin/activate: Permission denied】

<https://blog.csdn.net/qq_38235386/article/details/86647910>

#### 8误改密码

[linux系统如何切换到root用户\_linux 切换root-CSDN博客](https://blog.csdn.net/qq_45172832/article/details/124561145?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171133274716777224448065%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171133274716777224448065&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~top_positive~default-1-124561145-null-null.142%5ev99%5epc_search_result_base3&utm_term=linux%E5%88%87%E6%8D%A2%E5%88%B0root%E7%94%A8%E6%88%B7%E5%91%BD%E4%BB%A4&spm=1018.2226.3001.4187)

\

chy@chy-desktop:/$ sudo passwd root

[sudo] password for chy:

New password:

BAD PASSWORD: The password is a palindrome

Retype new password:

passwd: password updated successfully

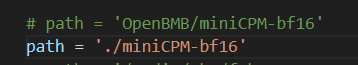
#### 9初始加载

运行run.py，modelscope上训模型的代码

OSError: We couldn't connect to 'https://huggingface.co' to load this file, couldn't find it in the cached files and it looks like OpenBMB/miniCPM-bf16 is not the path to a directory containing a file named config.json.

Checkout your internet connection or see how to run the library in offline mode at 'https://huggingface.co/docs/transformers/installation#offline-mode'.

路径错误，找不到模型，去huggingface下载了，又没法翻墙。



#### 10监控gpu

[【Linux】gpustat监控GPU状态-CSDN博客](https://blog.csdn.net/lj2048/article/details/119488742?ops_request_misc=&request_id=&biz_id=102&utm_term=stat%E6%98%BE%E5%8D%A1%E7%8A%B6%E6%80%81%E5%91%BD%E4%BB%A4&utm_medium=distribute.pc_search_result.none-task-blog-2~all~sobaiduweb~default-0-119488742.142%5ev99%5epc_search_result_base3&spm=1018.2226.3001.4187)

gpustat -i

[Linux查看GPU状态：nvidia-smi命令\_linux查看gpu命令-CSDN博客](https://blog.csdn.net/zxgravity/article/details/82223867?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171135479416800180681985%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171135479416800180681985&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~sobaiduend~default-1-82223867-null-null.142%5ev99%5epc_search_result_base3&utm_term=%E6%9F%A5%E7%9C%8B%E6%98%BE%E5%8D%A1%E7%8A%B6%E6%80%81%E7%9A%84%E5%91%BD%E4%BB%A4&spm=1018.2226.3001.4187)

#### 11部署minicpm

环境配置参考[本地部署清华大模型 ChatGLM3-CSDN博客](https://blog.csdn.net/qq_41773806/article/details/134189261?ops_request_misc=&request_id=&biz_id=102&utm_term=%E5%A4%A7%E6%A8%A1%E5%9E%8Bpython%E7%8E%AF%E5%A2%83&utm_medium=distribute.pc_search_result.none-task-blog-2~all~sobaiduweb~default-3-134189261.142%5ev99%5epc_search_result_base3&spm=1018.2226.3001.4187)

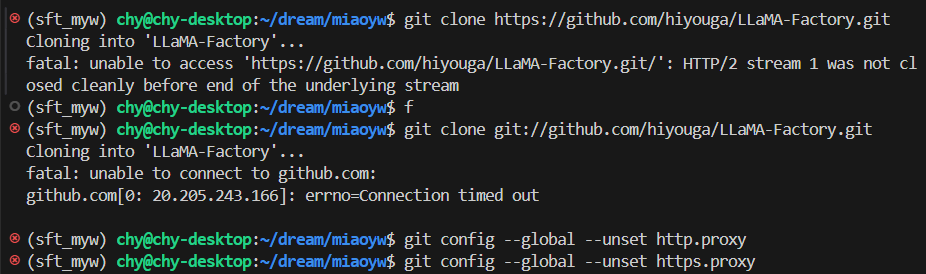
服务器ubuntu22.04，已装git lfs。从02模型搭建开始。

创建env同时下载了torch三件套

具体下载和加载模型参考[MiniCPM-2B的ModelScope模型本地部署与网站制作-CSDN博客](https://blog.csdn.net/weixin_52810349/article/details/136022613)

#### 12根据how\_to\_get\_environment.sh创建llamafactory环境

连接出错。



#### 13运行try\_LLM.py

Jupyter内核pygLLM

ValueError: Loading ../MiniCPM-2B-sft-fp32/ requires you to execute the configuration file in that repo on your local machine. Make sure you have read the code there to avoid malicious use, then set the option `trust\_remote\_code=True` to remove this error.

ModuleNotFoundError: No module named 'transformers.cache\_utils'

#### 14运行

报错：ModuleNotFoundError: No module named 'huggingface\_hub'

[ModuleNotFoundError: No module named ‘huggingface\_hub.snapshot\_download‘\_modulenotfounderror: no module named 'huggingface\_-CSDN博客](https://blog.csdn.net/weixin_48030475/article/details/134940914?ops_request_misc=%257B%2522request%255Fid%2522%253A%2522171137007416800184166037%2522%252C%2522scm%2522%253A%252220140713.130102334..%2522%257D&request_id=171137007416800184166037&biz_id=0&utm_medium=distribute.pc_search_result.none-task-blog-2~all~sobaiduend~default-1-134940914-null-null.142%5ev99%5epc_search_result_base3&utm_term=ModuleNotFoundError%3A%20No%20module%20named%20huggingface_hub&spm=1018.2226.3001.4187)