

1.配置环境

```
Collecting tzdata>=2022.7 (from pandas<3,>=1.3.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/65/58/f9c9e6be752e9fcb8b6a0e9f8b76e67a1f6bcab2cdc73f20b7ba91ada0/tzdata-2024.1-py2.py3-none-any.whl (345 kB)
Requirement already satisfied: charset-normalizer<4,>=2 in ./conda/envs/demo/lib/python3.10/site-packages (from requests<3,>=2.27->streamlit==1.37.0) (3.3.2)
Requirement already satisfied: idna<4,>=2.5 in ./conda/envs/demo/lib/python3.10/site-packages (from requests<3,>=2.27->streamlit==1.37.0) (3.7)
Requirement already satisfied: urllib3<3,>=1.21.1 in ./conda/envs/demo/lib/python3.10/site-packages (from requests<3,>=2.27->streamlit==1.37.0) (2.2.2)
Requirement already satisfied: certifi>2017.4.17 in ./conda/envs/demo/lib/python3.10/site-packages (from requests<3,>=2.27->streamlit==1.37.0) (2024.8.30)
Collecting markdown-it-py>=2.2.0 (from rich<14,>=10.14.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/42/d7/1ec15b46a6f8a8f19b85f5fea08fa375d433c998b8a7639e76935c14f1/markdown_it_py-3.0.0-py3-none-any.whl (87 kB)
Collecting pygments<3.0.0,>=2.13.0 (from rich<14,>=10.14.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/f7/3f/01c8b82017f1e9075f8f7884d0906b9fbbfc5a47dc9918a945e13d5a2bda/pygments-2.18.0-py3-none-any.whl (1.2 MB)
1.2/1.2 MB | 3.1 MB/s | eta 0:00:00
Collecting smmap6,>=3.0.1 (from gitdb<5,>=4.0.1->gitpython<=3.1.19,<4,>=3.0.7->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/a7/a5/109f7f73544edcdee54409f1d839f6049a0d79df68adb1ceb24d1aaca42/smmap-5.0.1-py3-none-any.whl (24 kB)
Requirement already satisfied: MarkupSafe>=2.0 in ./conda/envs/demo/lib/python3.10/site-packages (from Jinja2>=2.11.0->altair<6,>=4.0.0->streamlit==1.37.0) (2.1.3)
Collecting attrs>=22.2.0 (from jsonschema<3.0.0->altair<6,>=4.0.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/6a/21/5b6702a7f96395456c0de24495f67bf5df6d2840ac655dc4f51586d23d39a/attrs-24.2.0-py3-none-any.whl (63 kB)
Collecting jsonschema-specifications>=2023.03.6 (from jsonschema<3.0.0->altair<6,>=4.0.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/ee/07/44bd408781594cd40a027666ef27fable441b109dc3b76b4f836cf8d04fe/jsonschema_specifications-2023.12.1-py3-none-any.whl (18 kB)
Collecting referencing>=0.28.4 (from jsonschema<3.0.0->altair<6,>=4.0.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/b7/59/2056f61236782a2c86b33906c02544f40b17e0161b63b70fd9e8775d36/referencing-0.35.1-py3-none-any.whl (26 kB)
Collecting rpds-py>=0.7.1 (from jsonschema<3.0.0->altair<6,>=4.0.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/4a/6d/1166a157b227f2333f8e8ae320b6b7ea2a6a38f7be7a3563ad76dfcf8608d/rpds_py-0.20.0-cp310-cp310-manylinux_2_17_x86_64.manylinux2014_x86_64.whl (354 kB)
Collecting mdurl>=1.0 (from markdown-it-py>=2.2.0->rich<14,>=10.14.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/b3/38/89ba8ad6d4ae25be8d866a6d463314cf1eb366222074cfda9ee839c56a4b/mdurl-1.0.1.2-py3-none-any.whl (10.0 kB)
Collecting six>=1.5 (from python-dateutil>=2.8.2->pandas<3,>=1.3.0->streamlit==1.37.0)
  Downloading https://pypi.tuna.tsinghua.edu.cn/packages/d9/5a/ef7c31adb8775f2abb891bd84cf2dc52d792b5a01506781dbcf25c91daf11/six-1.16.0-py2.py3-none-any.whl (11 kB)
Installing collected packages: pytz, watchdog, tzdata, tornado, toml, tenacity, smmap, six, rpds-py, pygments, pyarrow, narwhals, mdurl, click, cachetools, blinker, attrs, referencing, g, python-dateutil, pydeck, markdown-it-py, gitdb, rich, pandas, jsonschema-specifications, gitpython, jsonschema, altair, streamlit
Successfully installed altair-5.4.1 attrs-24.2.0 blinker-1.8.2 cachetools-5.5.0 click-8.1.7 gitdb-4.0.11 gitpython-3.1.43 jsonschema-4.23.0 jsonschema-specifications-2023.12.1 markdo
wn-it-py-3.0.0 mdurl-1.0.1.2 narwhals-1.6.2 pandas-2.2.2 pyarrow-17.0.0 pydeck-0.9.1 pygments-2.18.0 python-dateutil-2.9.0.post0 pytz-2024.1 referencing-0.35.1 rich-13.8.0 rpds-py-0.20.0 six-1.16.0 smmap-5.0.1 streamlit-1.37.0 tenacity-8.5.0 toml-0.10.2 tornado-6.4.1 tzdata-2024.1 watchdog-4.0.2
WARNING: Running pip as the 'root' user can result in broken permissions and conflicting behaviour with the system package manager, possibly rendering your system unusable.It is recommended to use a virtual environment instead: https://pip.pypa.io/warnings/venv. Use the --root-user-action option if you know what you are doing and want to suppress this warning.
(demo) root@intern-studio-122362: #
```

2.运行cli_demo.py

```
studio-conda -h
```

5. 将conda环境一键添加到jupyterlab:

```
lab add {YOUR_CONDA_ENV_NAME}
```

```
(base) root@intern-studio-122362:~# mkdir -p /root/demo
(base) root@intern-studio-122362:~# touch /root/demo/cli_demo.py
(base) root@intern-studio-122362:~# python /root/demo/cli_demo.py
Traceback (most recent call last):
  File "/root/demo/cli_demo.py", line 1, in <module>
    import torch
ModuleNotFoundError: No module named 'torch'
(base) root@intern-studio-122362:~# conda activate demo
(demo) root@intern-studio-122362:~# python /root/demo/cli_demo.py
```

/root/.conda/envs/demo/lib/python3.10/site-packages/transformers/utils/generic.py:462: FutureWarning: `torch.utils._pytree._register_pytree_node` is deprecated. Please use `torch.utils._pytree.register_pytree_node` instead.

_torch_pytree._register_pytree_node(
_torch_pytree._register_pytree_node(
ls._pytree.register_pytree_node` instead.
_torch_pytree._register_pytree_node(
_torch_pytree._register_pytree_node` instead.
ls._pytree.register_pytree_node` instead.
_torch_pytree._register_pytree_node(
Loading checkpoint shards: 100% ██████████ | 2/2 [00:03<00:00, 1.60s/it]

=====Welcome to InternLM chatbot, type 'exit' to exit.=====

User >>> 你是谁
你好，请问有什么可以帮助您的？
User >>> 我是书生·浦语，一个AI语言模型，由上海人工智能实验室开发。我旨在通过提供帮助、诚实和无害的对话来满足用户的需求。如果你有任何问题或需要帮助，请随时向我提问，我会尽力回答你的问题。
User >>> 你可以写代码吗
当然可以，我可以帮您编写代码。请告诉我您需要编写的代码是什么，以及您需要它做什么。
User >>>

3.开启streamlit服务

```
remote: Counting objects: 100% (241/241), done.
remote: Compressing objects: 100% (134/134), done.
remote: Total 6918 (delta 106), reused 200 (delta 78), pack-reused 6677 (from 1)
Receiving objects: 100% (6918/6918), 68.45 MiB | 16.19 MiB/s, done.
Resolving deltas: 100% (2797/2797), done.
Updating files: 100% (529/529), done.
(demo) root@intern-studio-122362: /demo# cd /root/demo
(demo) root@intern-studio-122362: /demo# streamlit run /root/demo/Tutorial/tools/streamlit_demo.py --server.address 127.0.0.1 --server.port 6006

Collecting usage statistics. To deactivate, set browser.gatherUsageStats to false.
```

You can now view your Streamlit app in your browser.

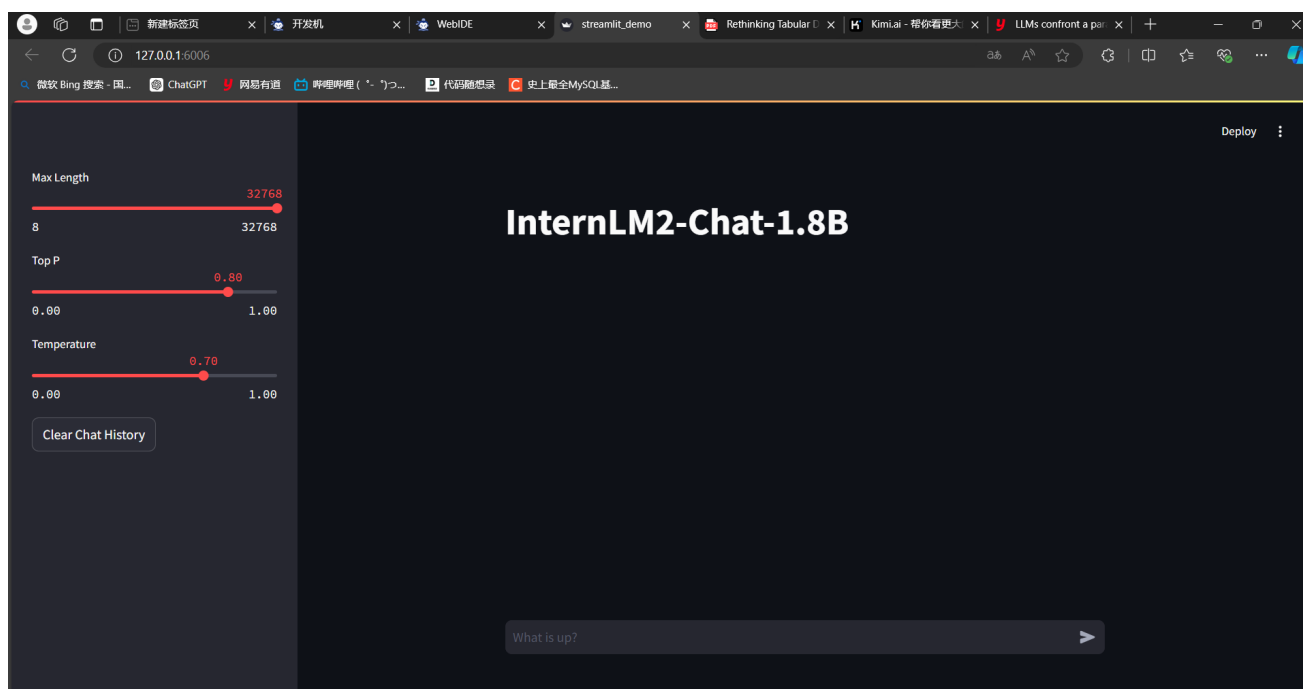
URL: <http://127.0.0.1:6006>

```
/root/.conda/envs/demo/lib/python3.10/site-packages/transformers/utils/generic.py:462: FutureWarning: `torch.utils._pytree._register_pytree_node` is deprecated. Please use `torch.uti
ls._pytree.register_pytree_node` instead.
  _torch_pytree._register_pytree_node(
/root/.conda/envs/demo/lib/python3.10/site-packages/transformers/utils/generic.py:319: FutureWarning: `torch.utils._pytree._register_pytree_node` is deprecated. Please use `torch.uti
ls._pytree.register_pytree_node` instead.
  _torch_pytree._register_pytree_node(
/root/.conda/envs/demo/lib/python3.10/site-packages/transformers/utils/generic.py:319: FutureWarning: `torch.utils._pytree._register_pytree_node` is deprecated. Please use `torch.uti
ls._pytree.register_pytree_node` instead.
  _torch_pytree._register_pytree_node(
load model begin.
/root/.conda/envs/demo/lib/python3.10/site-packages/transformers/utils/generic.py:319: FutureWarning: `torch.utils._pytree._register_pytree_node` is deprecated. Please use `torch.uti
ls._pytree.register_pytree_node` instead.
  _torch_pytree._register_pytree_node(
Loading checkpoint shards: 0% | 0/2 [00:00<?, ?it/s]
load model begin.
Loading checkpoint shards: 100% | 2/2 [00:21<00:00, 10.63s/it]
```

4.执行端口映射

```
PS C:\Users\19233> ssh -p 40986 root@ssh.intern-ai.org.cn -CNg -L 6006:127.0.0.1:6006 -o StrictHostKeyChecking=no
Warning: Permanently added 'ssh.intern-ai.org.cn':40986' (ED25519) to the list of known hosts.
```

5.在本地访问127.0.0.1: 6006



6.生成故事

