#### 复现课程知识库助手搭建过程 (截图):

#### 下载模型:

```
(InternLM) root@intern-studio: "≡ python /root/data/download.py
2024-01-12 00:19:31,967 - modelscope - INFO - PyTorch version 2.0.1 Found.
2024-01-12 00:19:31,968 - modelscope - INFO - PyTorch version 2.0.1 Found.
2024-01-12 00:19:34,443 - modelscope - INFO - No valid ast index from /root/.cache/modelscope/ast.indexer.
2024-01-12 00:19:34,443 - modelscope - INFO - No valid ast index found from /root/.cache/modelscope/ast_indexer, generating ast index from prebuilt!
2024-01-12 00:19:34,617 - modelscope - INFO - Loading donel Current index file version is 1.9.5, with md5 524ee28048c3c0a502628764d684b10e and a total number of 945 components indexed
2024-01-12 00:19:39,483 - modelscope - INFO - Use user-specified model revision: v1.0.3
```

#### download hf:

```
downloading https://hif-mirror.com/sentence-transformers/paraphrase-multilingual-MinilM-L12-v2/resolve/s9c5552779bcf24728fa5e092e665fc6f7c99cd/rf_model.h5 to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/blobs/22150bc8a009477c7816f1988a028ff7995e2b52e2454688890972c2c5ad44be.incomplete downloading https://hf-mirror.com/sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/blobs/22587bor5857b649970ccc1315383bb79478985487b9692e665fc6f7c49cd/tokenizer_json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/blobs/22587bor5857b649970ccc1315383bb794789854849296e5866fc6f7c49cd/tokenizer_json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55793179frff0x49079ccc6.incomplete
downloading https://hf-mirror.com/sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55793179frff0x49079ccc6.incomplete
downloading https://hf-mirror.com/sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55793179frf0x49079ccc6.incomplete
downloading https://hf-mirror.com/sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c5566f67679cdf405866i16f77c9cdf/sentencepiece.bps.model to /root/.cache/huggingface/hub/model--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c5566f67670e9cd/unigram.json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c5566f67670e9cd/unigram.json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55676770e9cd/unigram.json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55676770e9cd/unigram.json to /root/.cache/huggingface/hub/models--sentence-transformers-paraphrase-multilingual-MinilM-L12-v2/resolve/s9c55676770e9cd/unigram.json to /root/.cache/huggingface/hub/sodels--sentence-transformers-paraphrase-mul
```

### 下载 NLTK 相关资源:

```
chive: punkt.zip
croating: punkt/greeh.pickle
rinating: punkt/greeh.pickle
```

### 下载本项目代码:

```
(InternLM) root@intern_studio: ~/nltk_data/taggers# cd /root/data
(InternLM) root@intern_studio: ~/data# git clone https://github.com/InternLM/tutorial
Cloning into 'tutorial'...
remote: Enumerating objects: 446, done.
remote: Counting objects: 100% (208/208), done.
remote: Compressing objects: 100% (119/119), done.
remote: Total 446 (delta 163), reused 105 (delta 89), pack-reused 238
Receiving objects: 100% (446/446), 11.38 MiB | 11.64 MiB/s, done.
Resolving deltas: 100% (207/207), done.
```

# 数据收集:

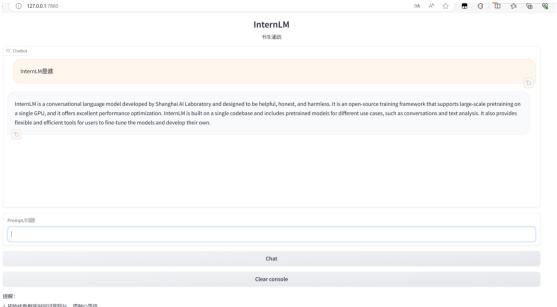
```
(Internally routed): now. towy.zerry. come.

(Internally routed): now. towy.zerry. datas # 出入刺教和作金
(Internally routed): now. towy.zerry. datas # close https://gitee.com/open-compass/opencompass.git
(Internally routed): now. zerry. datas git close https://gitee.com/Internally/Indeploy.git
(Internally routed): now. zerry. zerry.
```

### 知识库搭建:

## InternLM 接入 LangChain:

### 部署 Web Demo:



初始化数据库时间可能较长,请耐心等待。
 使用中如果出现异常,将会在文本输入框进行展示,请不要惊慌。