

1、启动 Jena 数据库

数据库版本: apache-jena-fuseki-3.14.0

JAVA 版本: JDK 8

Run CMD: cd D:\tools\apache-jena-fuseki-3.14.0

运行: mkdir movie

运行: fuseki-server -loc=movie -update /testds

浏览器: <http://localhost:3030/>

2、向数据库导入数据

Manage datasets ---> add new dataset ---> Dataset name: kg_demo_movie

Apache Jena Fuseki

dataset manage datasets help

Manage datasets

Perform management actions on existing datasets, including backup, or add a new dataset.

existing datasets + add new dataset

Dataset name kg_demo_movie

Dataset type

- ☐ In-memory – dataset will be recreated when Fuseki restarts, but contents will be lost
- ☐ Persistent – dataset will persist across Fuseki restarts
- ☒ Persistent (TDB2) – dataset will persist across Fuseki restarts

create dataset

上传数据:

Apache Jena Fuseki

dataset manage datasets help

Manage datasets

Perform management actions on existing datasets, including backup, or add a new dataset.

existing datasets + add new dataset

Name

/kg_demo_movie

remove backup upload data

Dataset: /kg_demo_movie

query upload files edit info

Upload files

Load data into the default graph of the currently selected dataset, or the given named graph. You may upload any RDF format, such as Turtle, RDF/XML or TriG.

Destination graph name Leave blank for default graph

Files to upload

+ select files... upload all

kg_demo_movie.nt 8.5mb

upload now remove

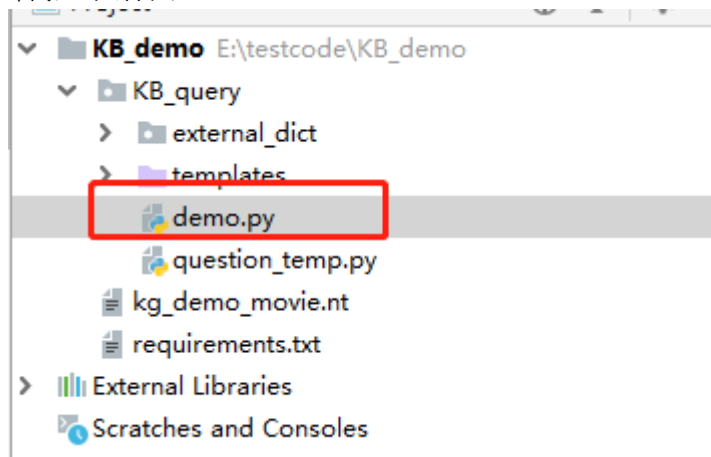
3、Python 环境

Python 版本: python 3.7

第三方库: flask、jieba、SPARQLWrapper、refo

4、启动系统

启动主文件夹



浏览器中打开：

<http://127.0.0.1:5000/>

输入框输入问题--->点击提交--->文本框显示答案

电影问答系统

1、输入问题

周星驰演了什么电影

2、点击

提交

3、问题答案

功夫；琉璃樽；英雄本色；少林足球；西游记第壹佰零壹回之月光宝盒；长江七号；西游记大结局之仙履奇缘；建国大业；审死官；龙在天涯；大内密探零零发；唐伯虎点秋香；赌圣；食神；整蛊专家；国产凌凌漆；回魂夜；算死草；逃学威龙；武状元苏乞儿；Fei zhou he shang；鹿鼎记；鹿鼎记 II；神龙教；百变星君；破坏之王；逃学威龙 II；喜剧之王；千王之王 2000；赌侠 III 之上海滩赌圣；九品芝麻官之白面包青天；龙的传人；豪门夜宴；神击大道；赌侠；家有囍事；97 ga yau hei si；逃学威龙 III 龙过鸡年；江湖最后一个大佬；Final Justice；最佳女婿；新精武门1991；Man hua wei long；义胆群英；济公；群星会；流氓差婆；幸运一条龙；无敌幸运星；师兄撞鬼；咖喱辣椒；龙凤茶楼；一本漫画天涯；望夫成龙；捕风汉子；赌霸；Xiao tou a xing；刑警本色；风雨同路；阴阳界；Yi ben man hua chuang tian ya II miao xiang tian ka；特技猛龙；Film ohne Fesseln - Das neue Hongkong Kino；

问题保存在 Q_A.txt 文件中：

保存格式为：

Question:

输入的问题

search:

sparql 语句

anser:

问题答案

