

电影信息导入 (movie.csv :mid, title, introduction, rating, releasedate)

movie.csv

need_add : rating releasedate

mid	title	introduction	rating	releasedate
13	Forrest Gump	阿甘（汤姆·汉克斯 Tom Hanks 饰）于二战结束后不久出生在美国南方阿	8.300000191	1994/7/6
24	Kill Bill: Vol. 1	新娘（乌玛·瑟曼饰）曾经是致命毒蛇暗杀小组（D. I. V. A. S）的一	7.800000191	2003/10/10
79	英雄	战国末期，赵国有三个名震天下的侠客，他们是：“长空”、“残剑”、“飞雪	7.300000191	2002/12/19

// 将movie.csv 导入 MovieItem

LOAD CSV WITH HEADERS FROM "file:///movie.csv" AS line

CREATE (p:MovieItem{mid:line.mid, title:line.title, introduction:line.introduction, rating:line.rating, releasedate:line.releasedate})

// 创建索引 (title是唯一的)

CREATE CONSTRAINT ON (c:MovieItem)

ASSERT c.title IS UNIQUE

人物信息导入(person.csv :pid, birth, death, name , biography , birthplace)

// 将person.csv 导入

```
LOAD CSV WITH HEADERS FROM "file:///person.csv" AS line
```

```
CREATE (p:PersonItem{pid:line.pid, birth:line.birth, death:line.death, name:line.name, biography:line.biography, birthplace:line.birthplace})
```

// 创建索引 (name是唯一的)

```
CREATE CONSTRAINT ON (c:PersonItem)
```

```
ASSERT c.name IS UNIQUE
```

pid	birth	death	name	biography	birthplace
643	1965/12/31		巩俐	新加坡华裔女演员，祖籍中	Shenyang, Liaoning Province, China

查询某类结点的所有关系

```
MATCH(n:PersonItem)-[r]-() RETURN n , r
```

删除某类结点的所有关系

```
MATCH(n:PersonItem)-[r]-() DELETE n , r
```

删除结点

```
MATCH(n:PersonItem) DELETE n
```

类别信息导入(genre.csv : gid , gname)

gid	gname
12	冒险

// 将genre.csv 导入

```
LOAD CSV WITH HEADERS FROM "file:///genre.csv" AS line
```

```
CREATE (p:GenreItem{ gid : line.gid, gname:line.gname})
```

// 创建索引 (gname是唯一的)

```
CREATE CONSTRAINT ON (c:GenreItem)
```

```
ASSERT c.gname IS UNIQUE
```

导入 人物 和 电影 之间的关系(person_to_movie.csv) (双向)

pid	mid
163441	13
240171	24

```
LOAD CSV WITH HEADERS FROM "file:///person_to_movie.csv" AS line
MATCH (entity1:PersonItem{pid:line.pid}) , (entity2:MovieItem{mid: line.mid})
CREATE (entity1)-[:Person2Movie { type: "参演"}]->(entity2)
```

```
LOAD CSV WITH HEADERS FROM "file:///person_to_movie.csv" AS line
MATCH (entity1:PersonItem{pid:line.pid}) , (entity2:MovieItem{mid: line.mid})
CREATE (entity2)-[:Movie2Person { type: "演员"}]->(entity1)
```

导入 电影 和 类别 之间的关系(movie_to_genre.csv) (双向)

mid	gid
79	12
82	12

```
LOAD CSV WITH HEADERS FROM "file:///movie_to_genre.csv" AS line
MATCH (entity1:MovieItem{mid:line.mid}) , (entity2:GenreItem{gid: line.gid})
CREATE (entity1)-[:Movie2Genre { type: "类别"}]->(entity2)
```

```
LOAD CSV WITH HEADERS FROM "file:///movie_to_genre.csv" AS line
MATCH (entity1:MovieItem{mid:line.mid}) , (entity2:GenreItem{gid: line.gid})
CREATE (entity2)-[:Genre2Movie { type: "类型的电影为"}]->(entity1)
```

查找 类型的 电影

```
MATCH(n:GenreItem{gname:"冒险"})-[r:Genre2Movie]-(q) RETURN q.title
```