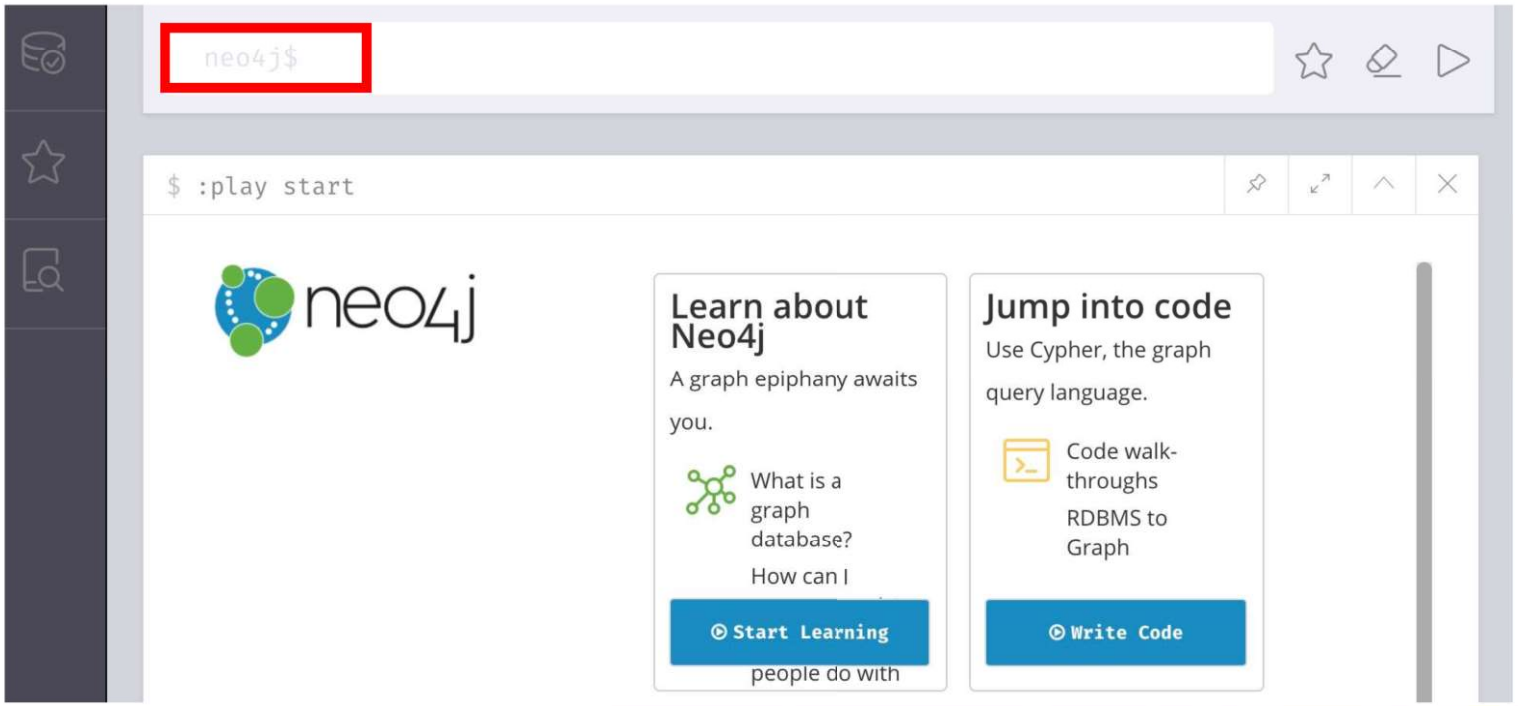
Managing Multiple Databases

Introduction

- We can create and use more than one active database at the same time
- Neo4j will initially create a
  - System database
    - Contains the overall information that applies across databases
  - A default database
    - Named neo4j
    - Can store and query data in a graph and integrate with other applications and tools
  - Can also create additional databases

Reviewing initial databases

- Launching Neo4j Browser will automatically point us to the neo4j default database
  - Shown by the neo4j$ prompt



Reviewing initial databases

- To see the system information switch to the system database

```
system$ :use system
```

Use database

You have updated what database to use in the Neo4j dbms.

Queries from this point and forward are using the database `system` as the target.

Use the `:dbs` to list all available databases.

Show databases

```
system$ show databases
```

Table | Text | Code

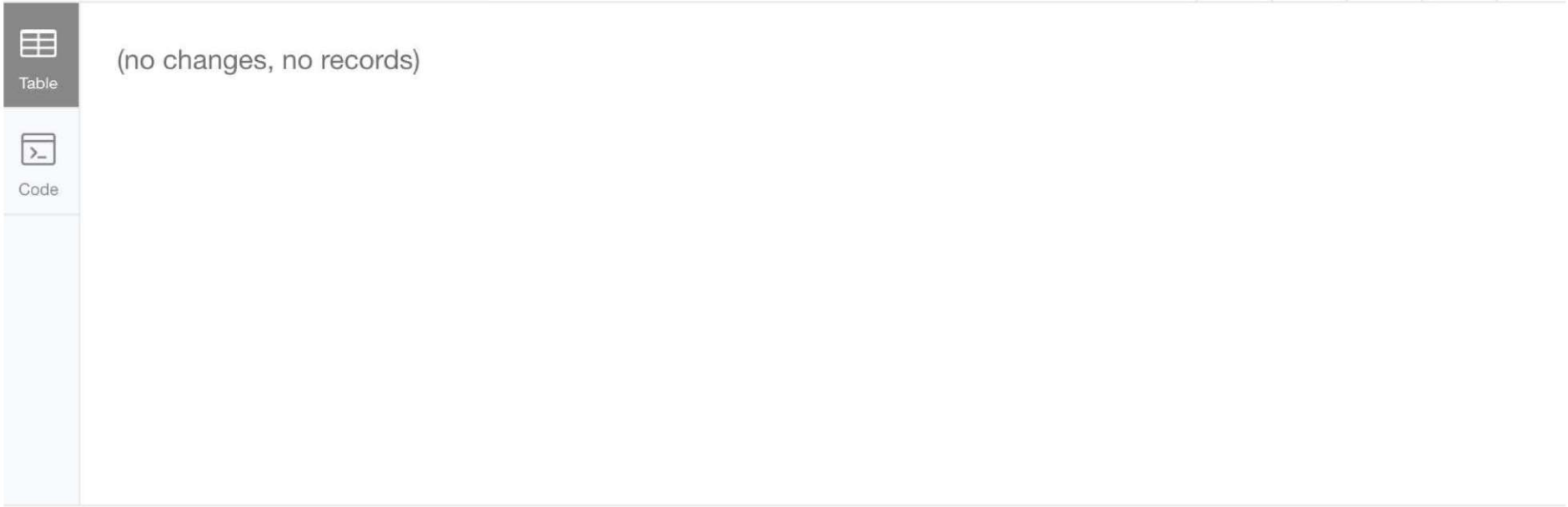
name	address	role	requestedStatus	currentStatus	error	default
"neo4j"	"localhost:7687"	"standalone"	"online"	"online"	""	true
"system"	"localhost:7687"	"standalone"	"online"	"online"	""	false

Started streaming 2 records after 2 ms and completed after 3 ms.

Creating a new database

Database naming is not case-sensitive.

```
system$ create database movieGraph
```



Completed after 123 ms.

Use new database

```
movieGraph$ :use movieGraph
```

Use database

You have updated what database to use in the Neo4j dbms.

Queries from this point and forward are using the database `movieGraph` as the target.

Use the `:dbs` to list all available databases.

Loading data

```
movieGraph$ :play movies
```

Movie Graph

Pop-cultural connections between actors and movies

The Movie Graph is a mini graph application containing actors and directors that are related through the movies they've collaborated on.

This guide will show you how to:

1. Create: insert movie data into the graph
2. Find: retrieve individual movies and actors
3. Query: discover related actors and directors
4. Solve: the Bacon Path

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Loading data

movieGraph$:play movies

The Movie Graph

Create

To the right is a giant code block containing a single Cypher query statement composed of multiple CREATE clauses. This will create the movie graph.

1. Click on the code block
2. Notice it gets copied to the editor above ↑
3. Click the editor's play button to execute
4. Wait for the query to finish

   WARNING: This adds data to the current database, each time it is

```
CREATE (TheMatrix:Movie {title:'The Matrix', rele
ased:1999, tagline:'Welcome to the Real World'})
CREATE (Keanu:Person {name:'Keanu Reeves', born:196
4})
CREATE (Carrie:Person {name:'Carrie-Anne Moss', bor
n:1967})
CREATE (Laurence:Person {name:'Laurence Fishburne',
 born:1961})
CREATE (Hugo:Person {name:'Hugo Weaving', born:196
0})
CREATE (LillyW:Person {name:'Lilly Wachowski', bor
```

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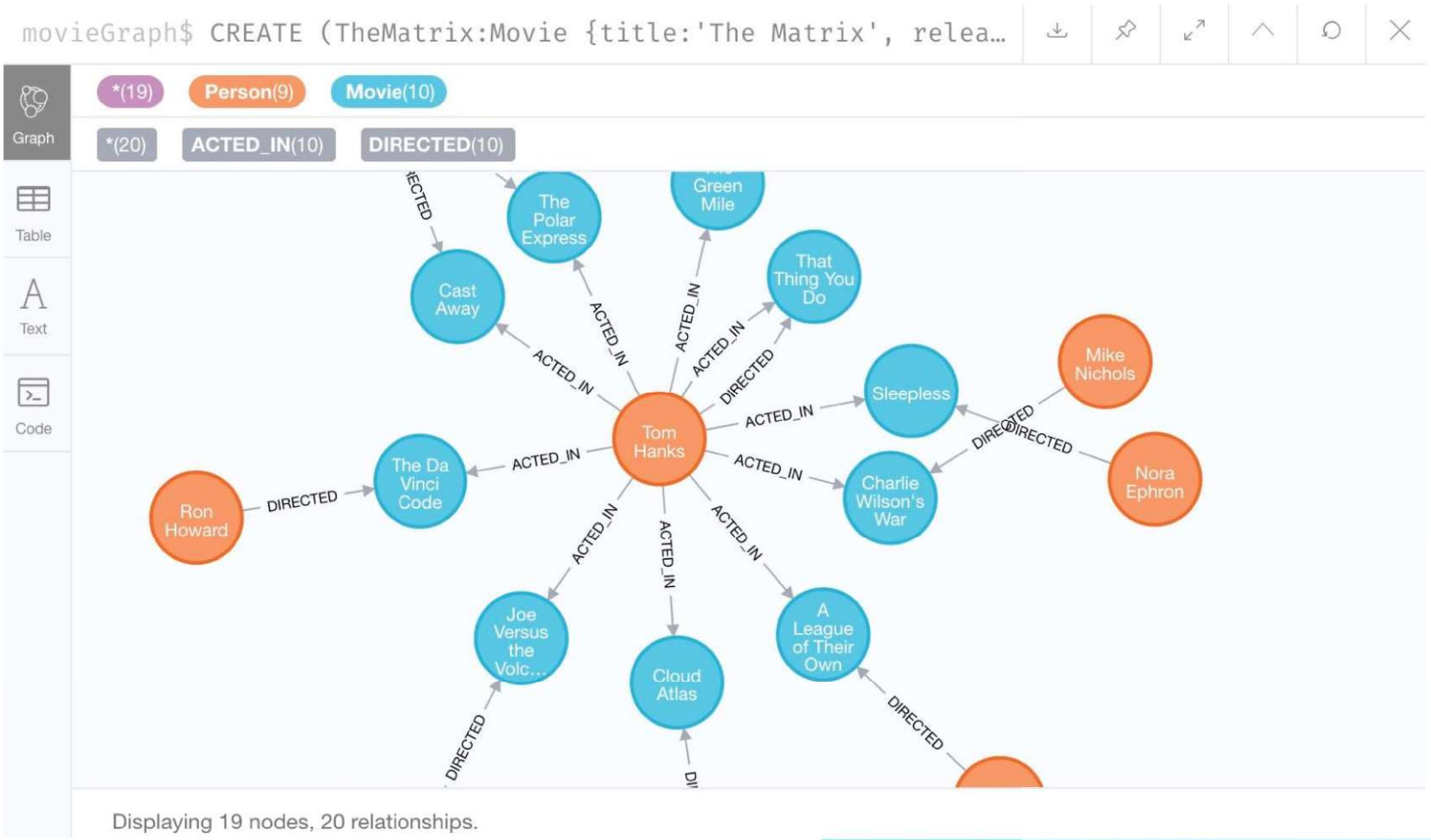
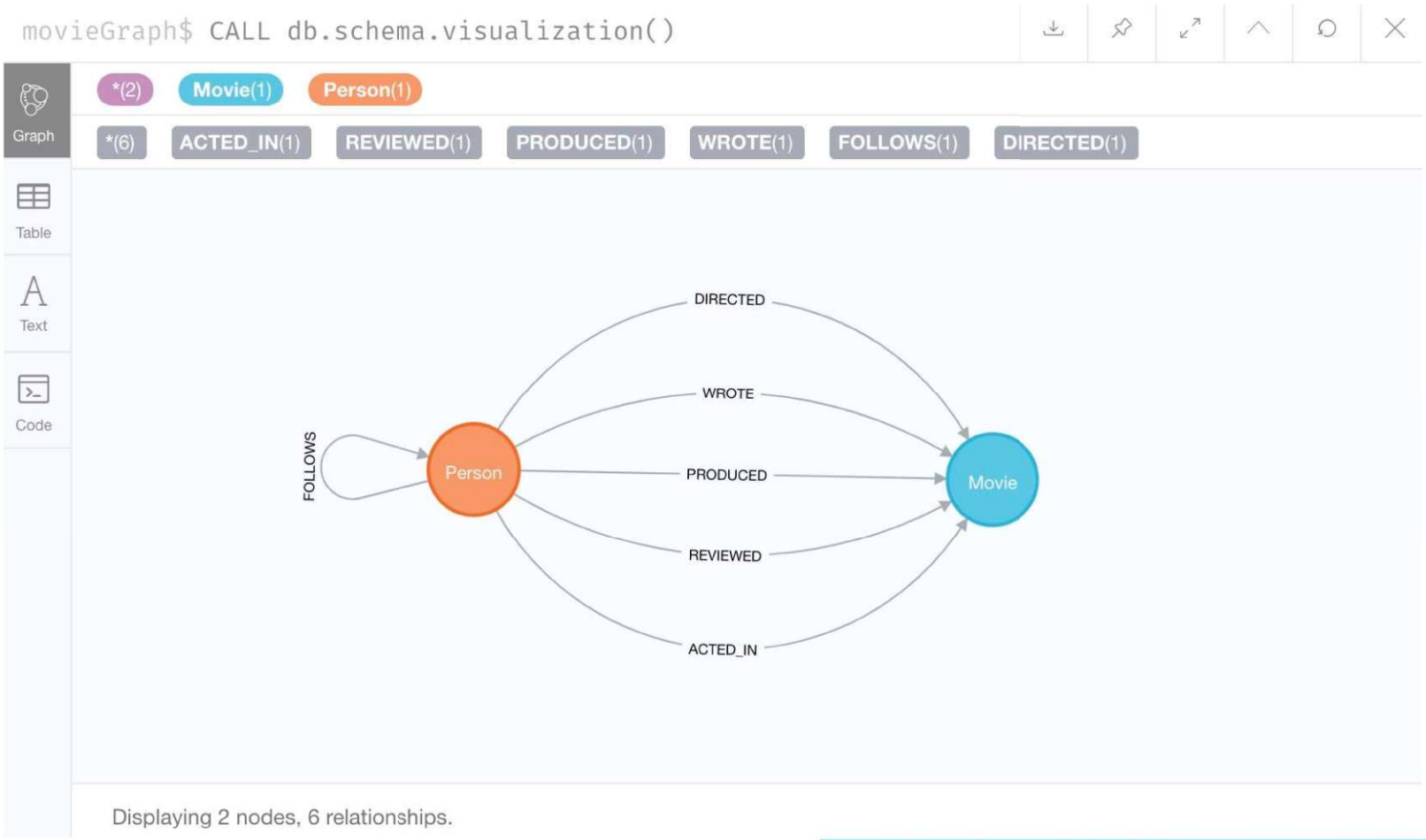
Loading data

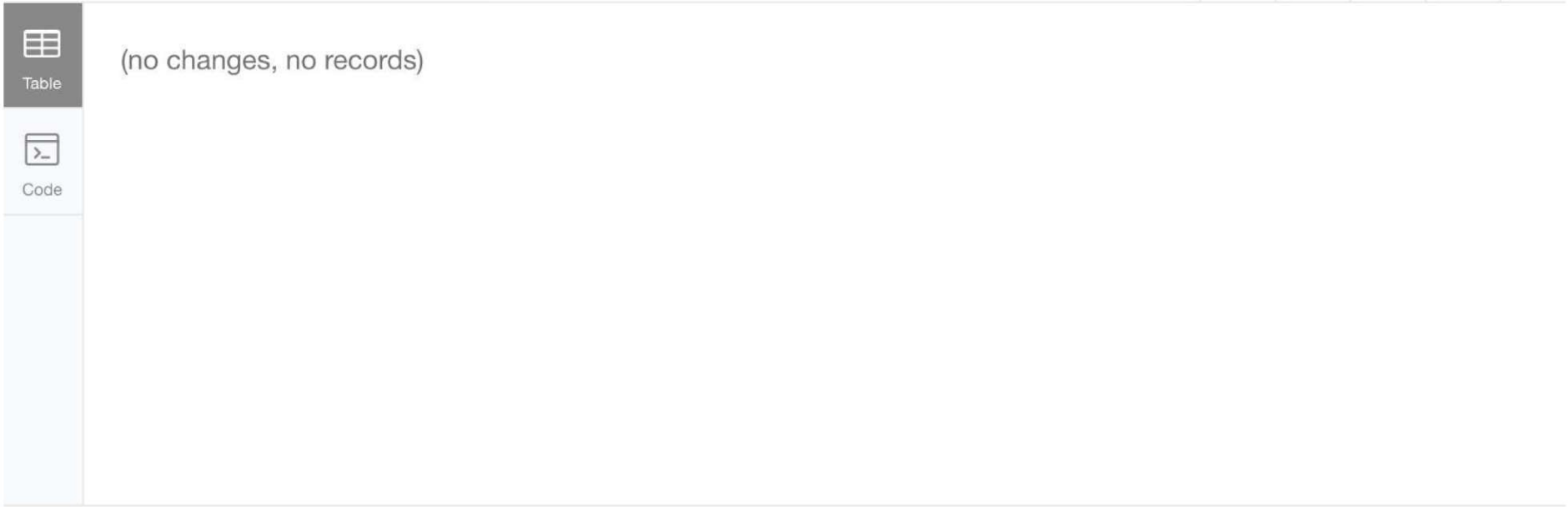


Loading data



Cleaning out database within same instance

```
system$ create or replace database neo4j
```



Completed after 162 ms.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