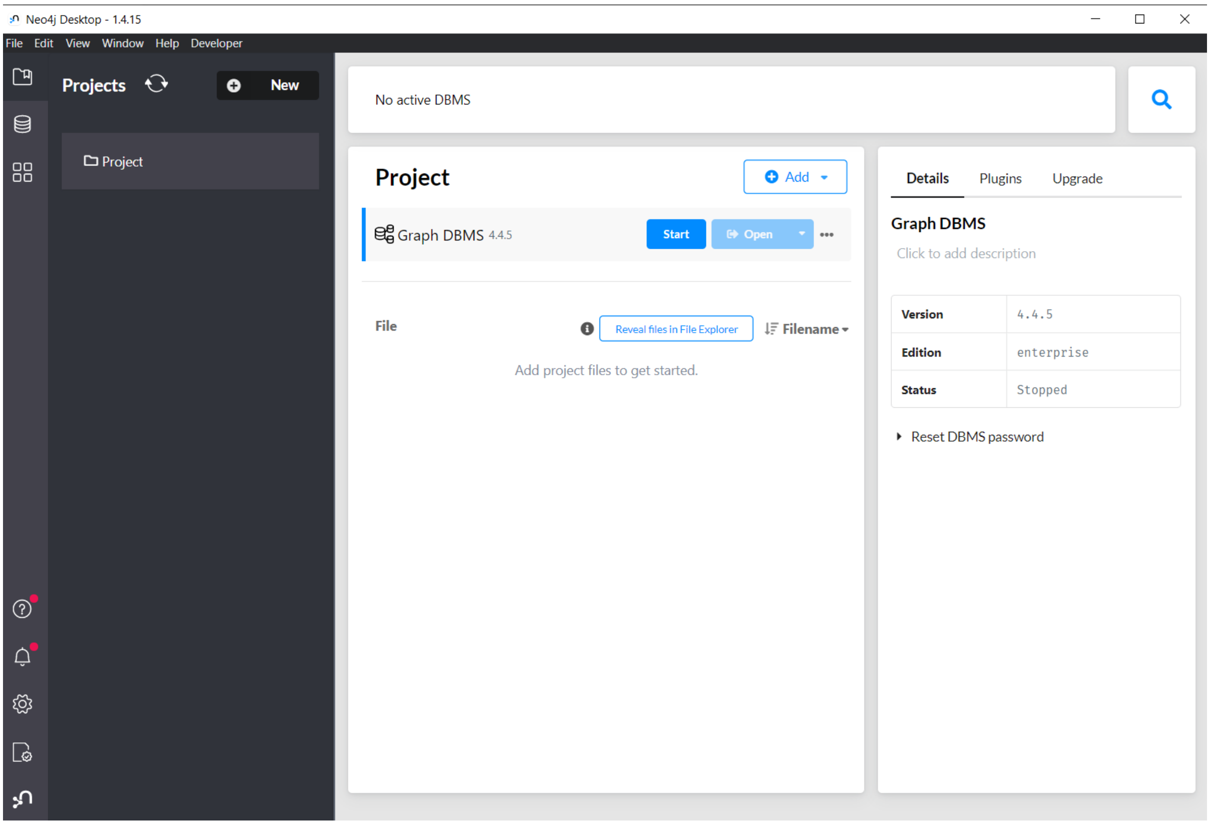


No active DBMS

Project

Graph DBMS 4.4.5

File

Add project files to get started.

Graph DBMS

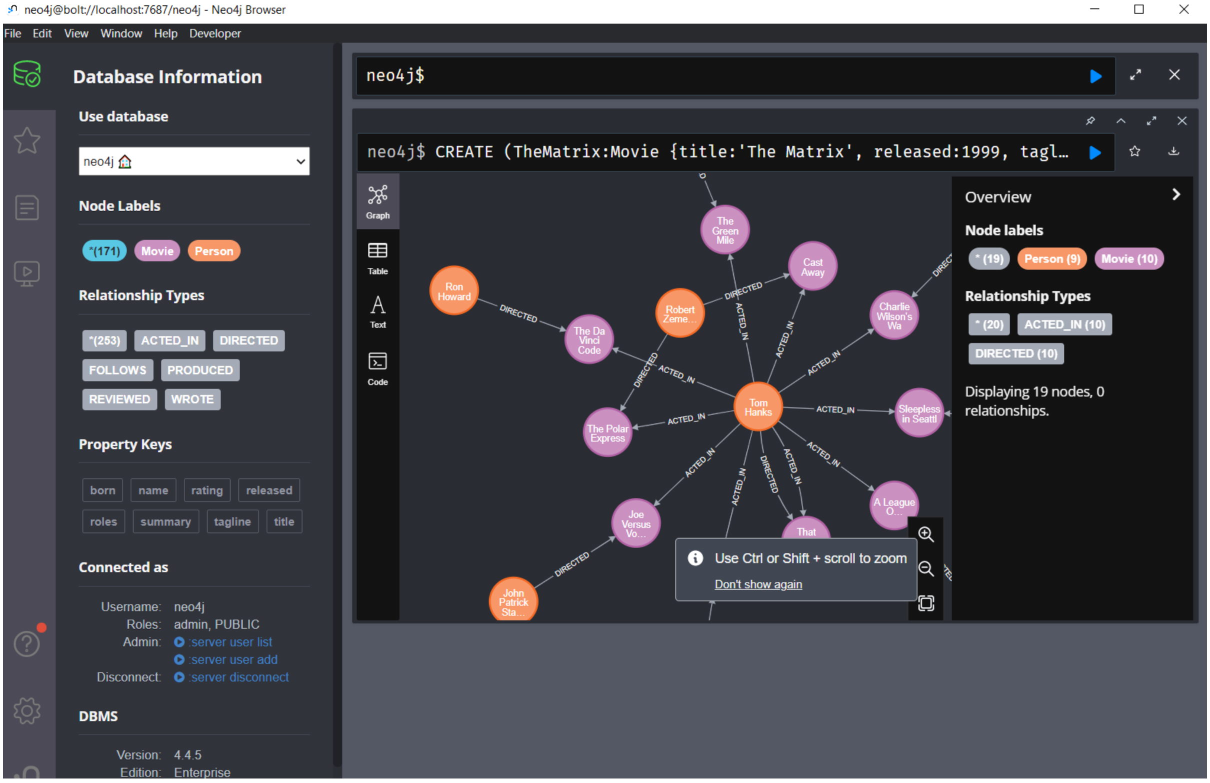
Click to add description

Version	4.4.5
Edition	enterprise
Status	Stopped

Reset DBMS password

Criado o novo “Graph”

1. P(0)a Cria Pessoas e Um filme
2. P(0)b atribui as pessoas e os seus roles no filme



```
neo4j$
```

```
neo4j$ CREATE (TheMatrix:Movie {title:'The Matrix', released:1999, tagl…
```

Database Information

Use database

neo4j

Node Labels

*(171) Movie Person

Relationship Types

*(253) ACTED_IN DIRECTED FOLLOWS PRODUCED REVIEWED WROTE

Property Keys

born name rating released roles summary tagline title

Connected as

Username: neo4j
Roles: admin, PUBLIC
Admin: server user list
server user add
Disconnect: server disconnect

DBMS

Version: 4.4.5
Edition: Enterprise

Overview

Node labels

* (19) Person (9) Movie (10)

Relationship Types

* (20) ACTED_IN (10) DIRECTED (10)

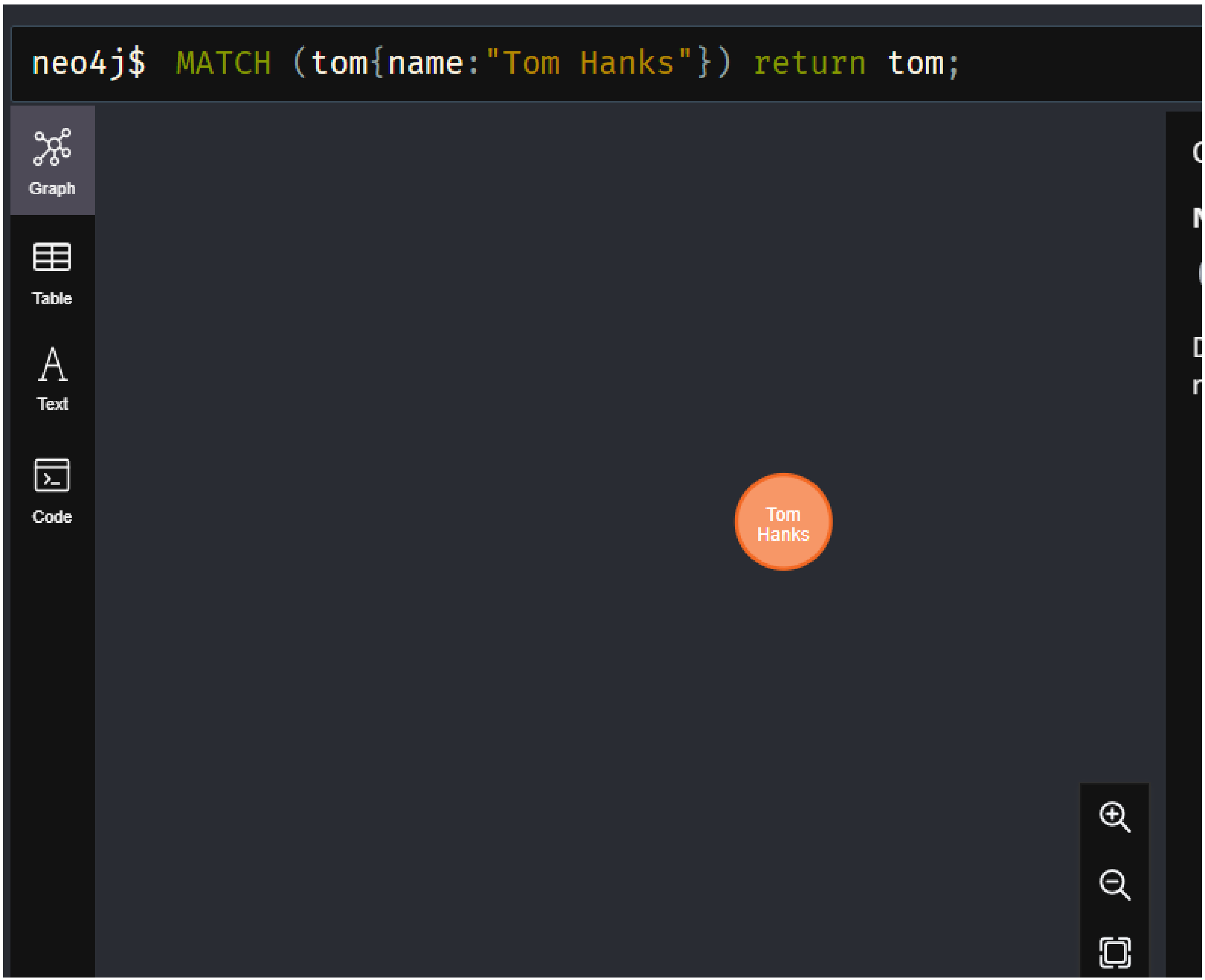
Displaying 19 nodes, 0 relationships.

Use Ctrl or Shift + scroll to zoom

Don't show again

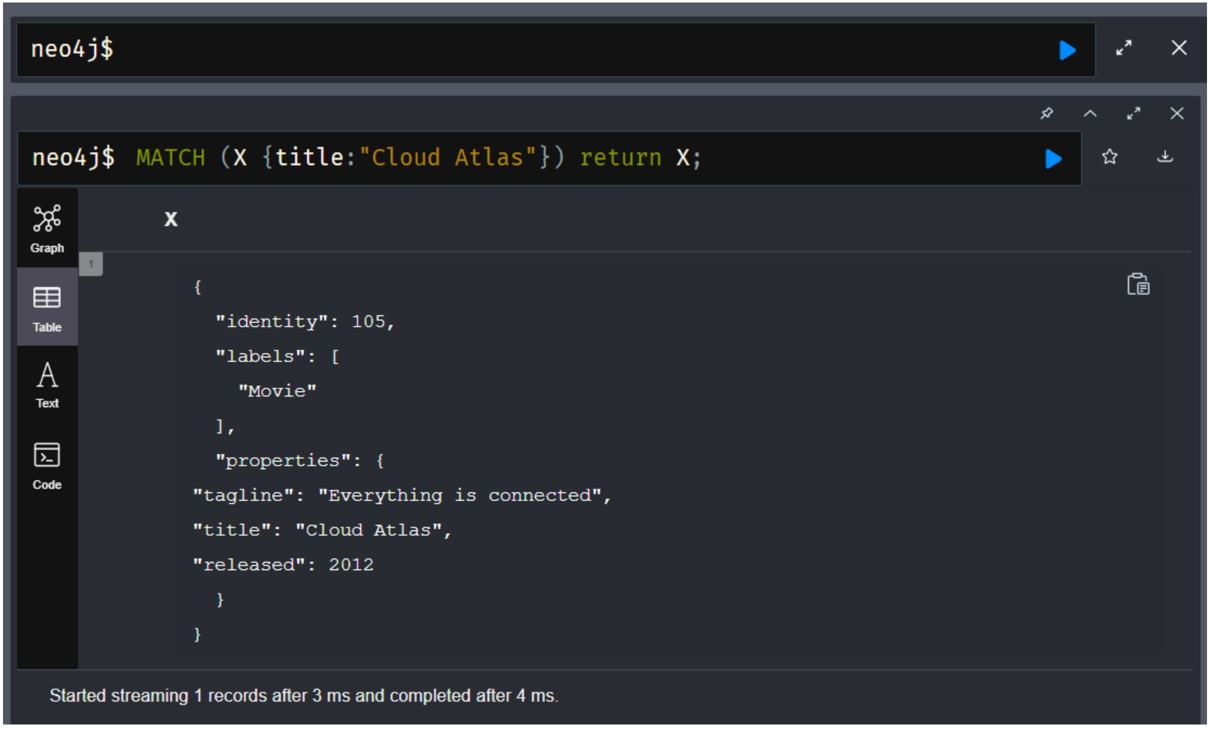
3.

4.



```
neo4j$ MATCH (tom{name:"Tom Hanks"}) return tom;
```

5.



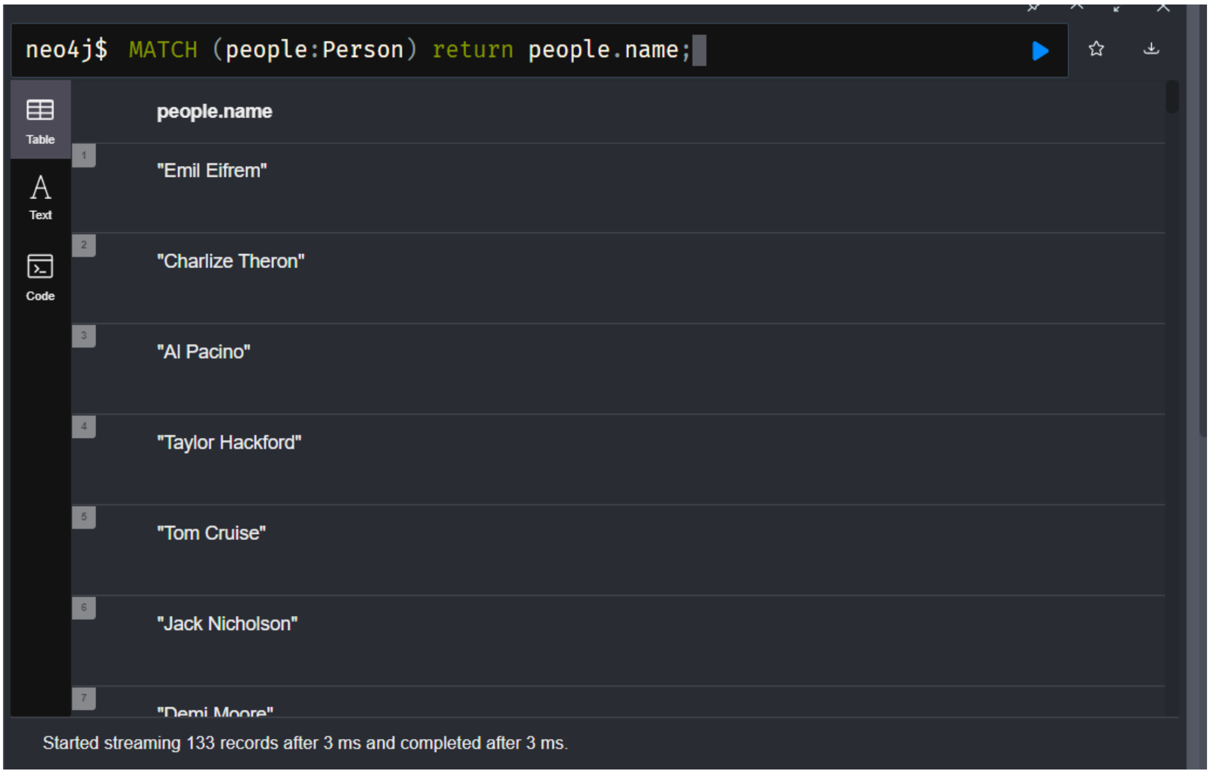
```
neo4j$
```

```
neo4j$ MATCH (X {title:"Cloud Atlas"}) return X;
```

X

```
{
  "identity": 105,
  "labels": [
    "Movie"
  ],
  "properties": {
"tagline": "Everything is connected",
"title": "Cloud Atlas",
"released": 2012
  }
}
```

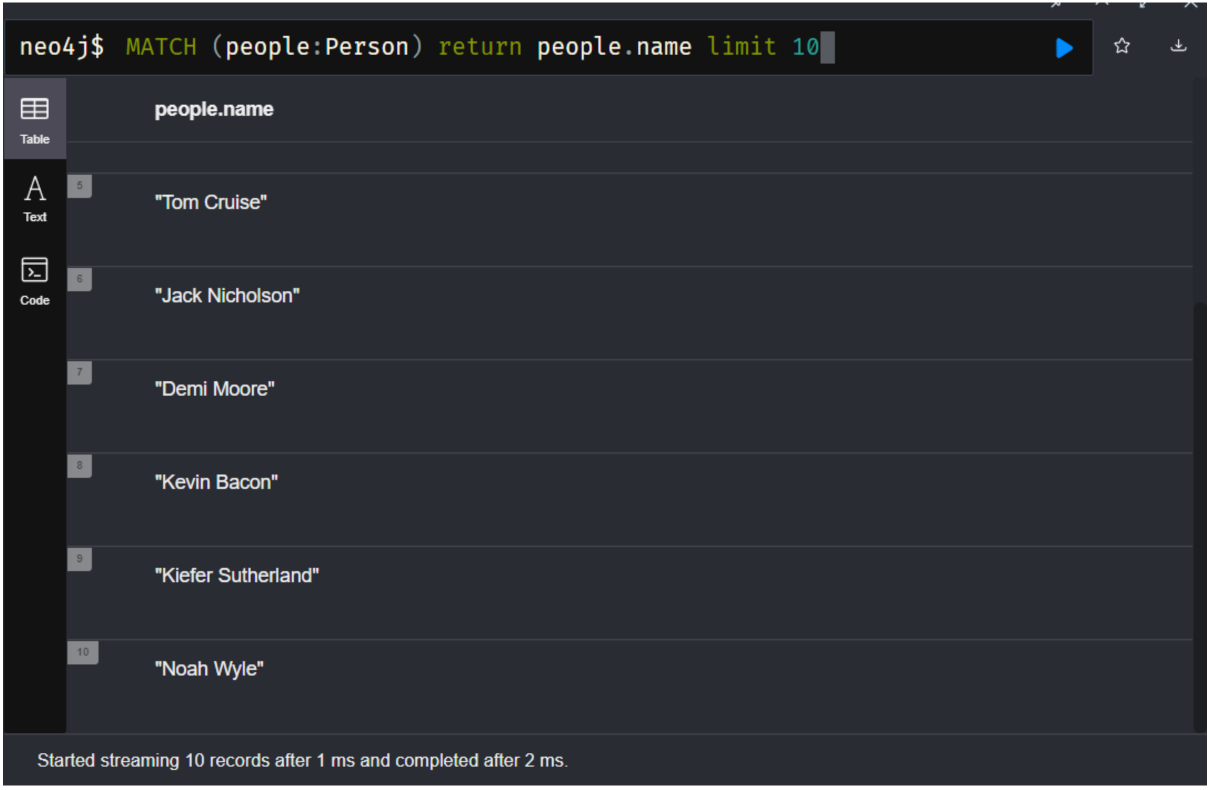
Started streaming 1 records after 3 ms and completed after 4 ms.

6. 

```
neo4j$ MATCH (people:Person) return people.name;
```

	people.name
1	"Emil Eifrem"
2	"Charlize Theron"
3	"Al Pacino"
4	"Taylor Hackford"
5	"Tom Cruise"
6	"Jack Nicholson"
7	"Demi Moore"

Started streaming 133 records after 3 ms and completed after 3 ms.

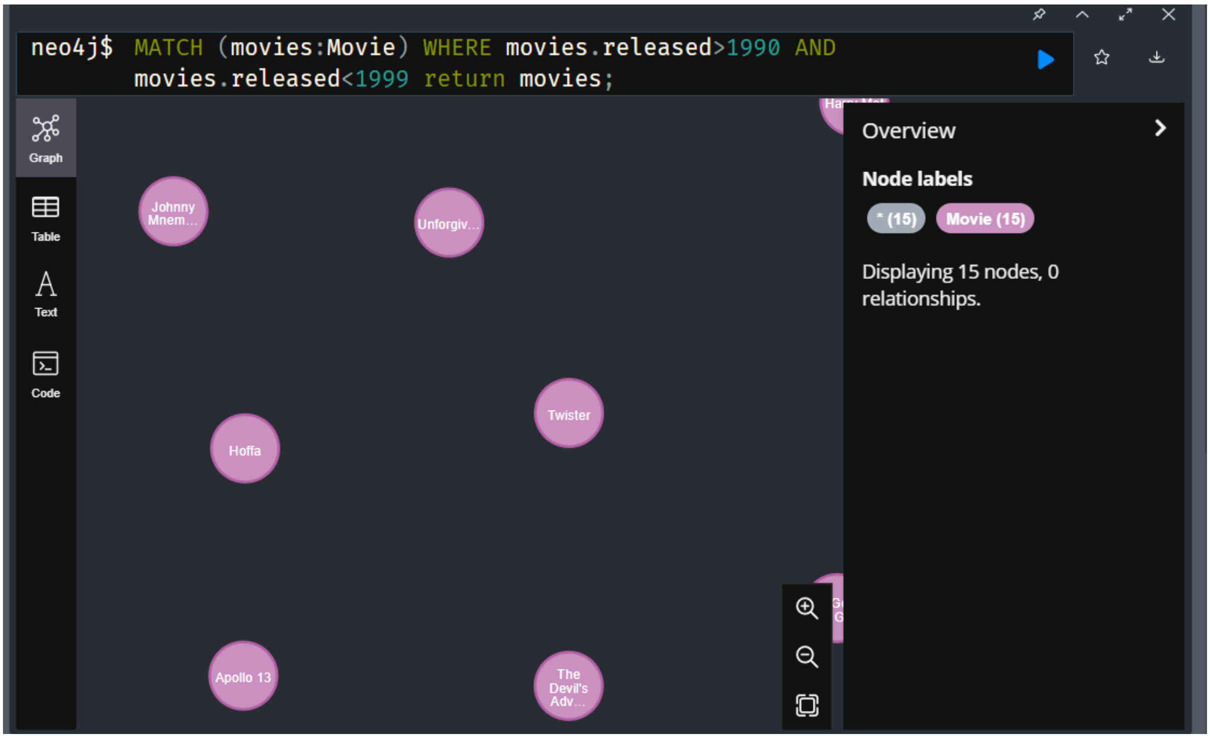
7. 

```
neo4j$ MATCH (people:Person) return people.name limit 10
```

	people.name
5	"Tom Cruise"
6	"Jack Nicholson"
7	"Demi Moore"
8	"Kevin Bacon"
9	"Kiefer Sutherland"
10	"Noah Wyle"

Started streaming 10 records after 1 ms and completed after 2 ms.

8.



```
neo4j$ MATCH (movies:Movie) WHERE movies.released>1990 AND
       movies.released<1999 return movies;
```

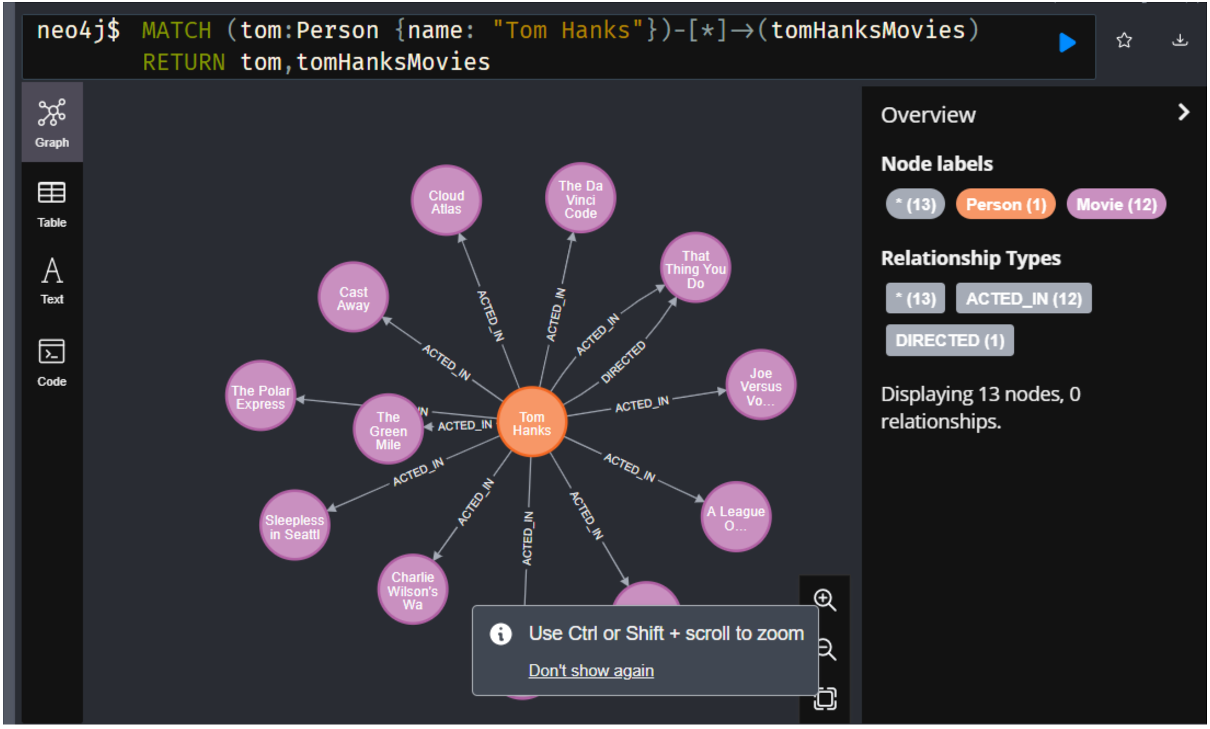
Overview

Node labels

* (15) Movie (15)

Displaying 15 nodes, 0 relationships.

9.



```
neo4j$ MATCH (tom:Person {name: "Tom Hanks"})-[*]→(tomHanksMovies)
       RETURN tom,tomHanksMovies
```

Overview

Node labels

* (13) Person (1) Movie (12)

Relationship Types

* (13) ACTED_IN (12) DIRECTED (1)

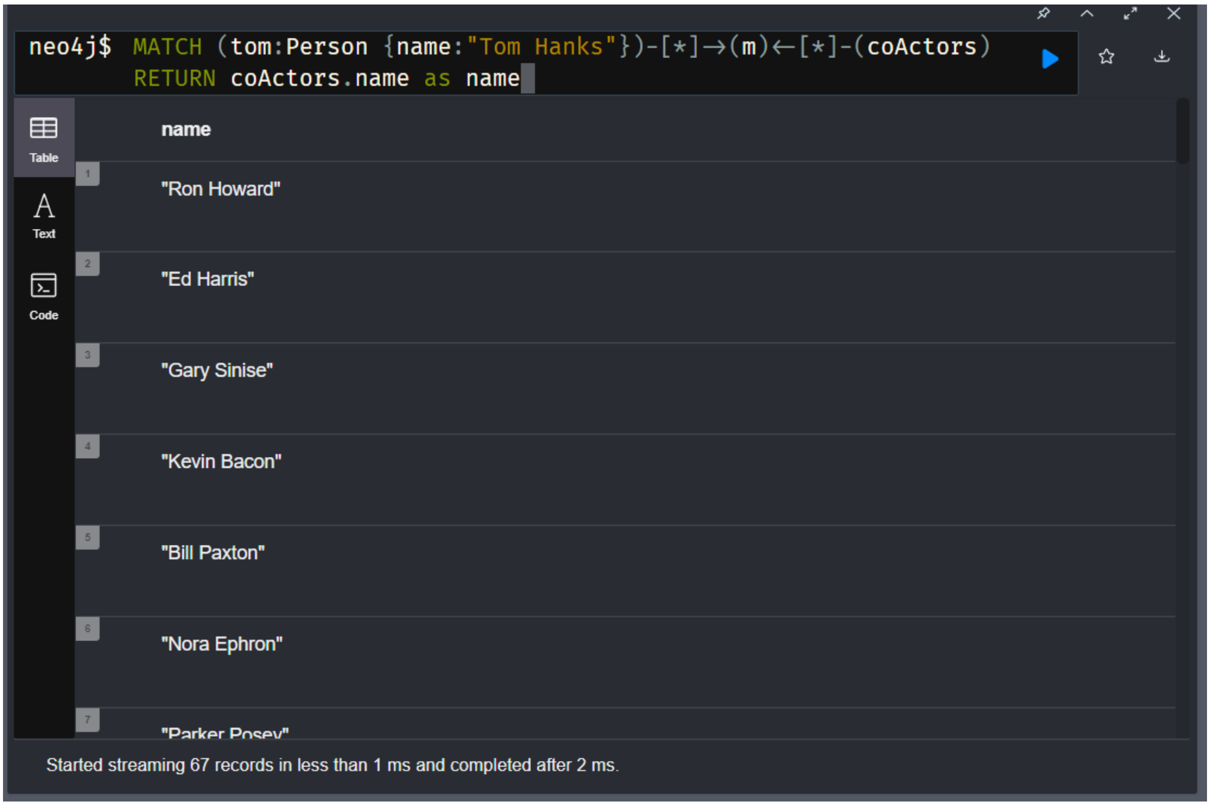
Displaying 13 nodes, 0 relationships.

Use Ctrl or Shift + scroll to zoom

Don't show again

10.

11.

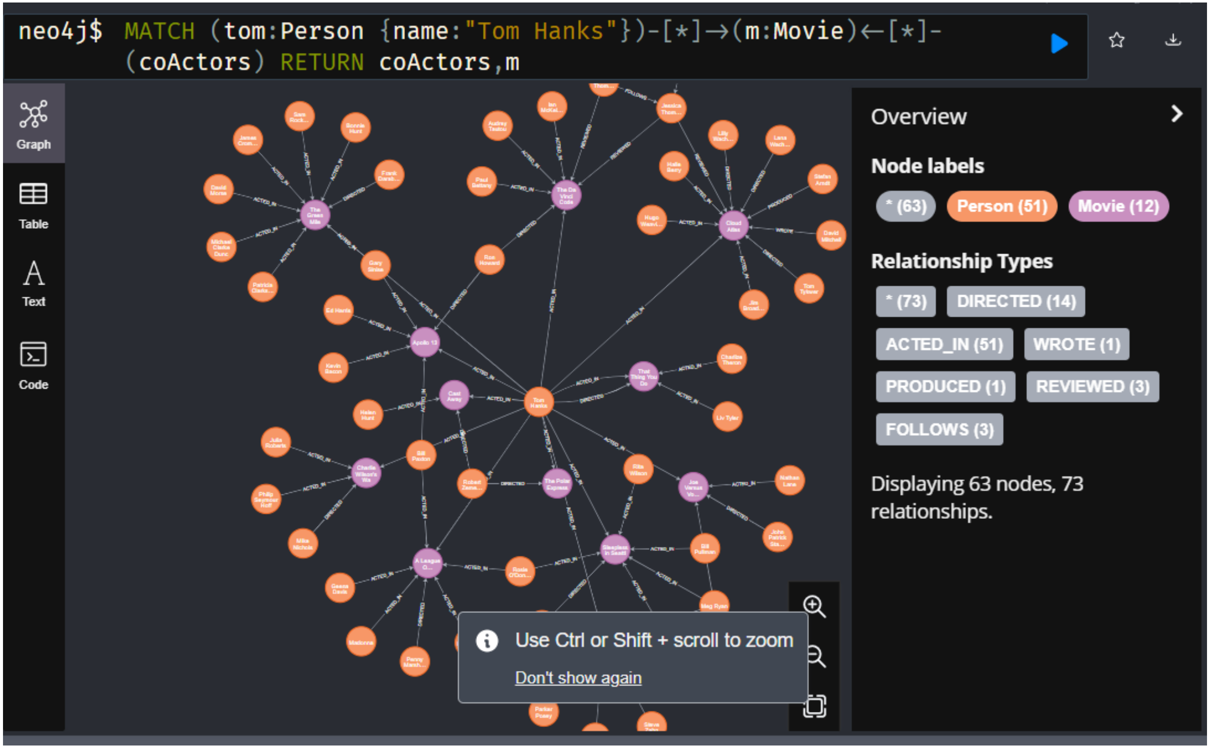


```
neo4j$ MATCH (tom:Person {name:"Tom Hanks"})-[*]→(m)←[*]-(coActors)
       RETURN coActors.name as name
```

	name
1	"Ron Howard"
2	"Ed Harris"
3	"Gary Sinise"
4	"Kevin Bacon"
5	"Bill Paxton"
6	"Nora Ephron"
7	"Parker Posey"

Started streaming 67 records in less than 1 ms and completed after 2 ms.

12.



```
neo4j$ MATCH (tom:Person {name:"Tom Hanks"})-[*]→(m:Movie)←[*]-
       (coActors) RETURN coActors,m
```

Overview

Node labels

* (63) Person (51) Movie (12)

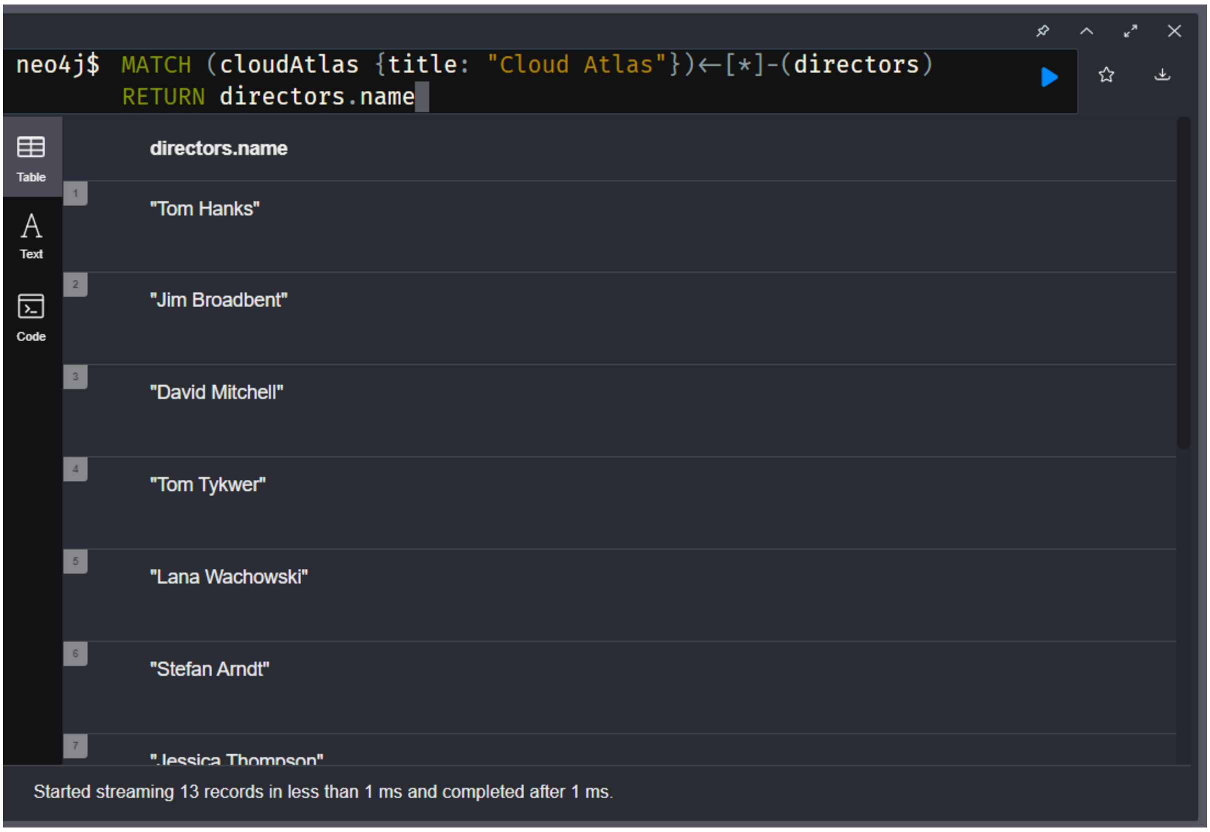
Relationship Types

* (73) DIRECTED (14) ACTED_IN (51) WROTE (1) PRODUCED (1) REVIEWED (3) FOLLOWS (3)

Displaying 63 nodes, 73 relationships.

Use Ctrl or Shift + scroll to zoom

Don't show again



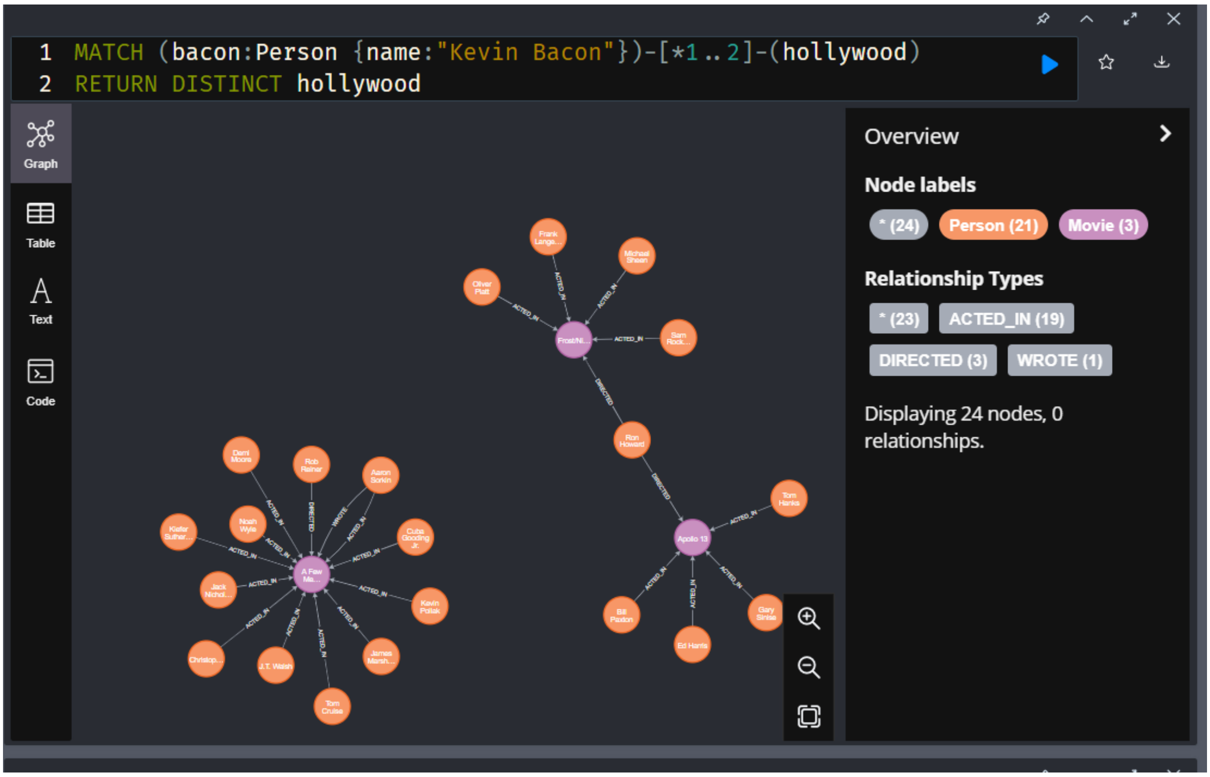
```
neo4j$ MATCH (cloudAtlas {title: "Cloud Atlas"})←[*]-(directors)
       RETURN directors.name
```

	directors.name
1	"Tom Hanks"
2	"Jim Broadbent"
3	"David Mitchell"
4	"Tom Tykwer"
5	"Lana Wachowski"
6	"Stefan Arndt"
7	"Jessica Thompson"

Started streaming 13 records in less than 1 ms and completed after 1 ms.

13.

14. Numero de ligações por kevin bacon (Hops)



```
MATCH (bacon:Person {name:"Kevin Bacon"})-[*1..2]-(hollywood)
RETURN DISTINCT hollywood
```

Overview

Node labels

* (24) Person (21) Movie (3)

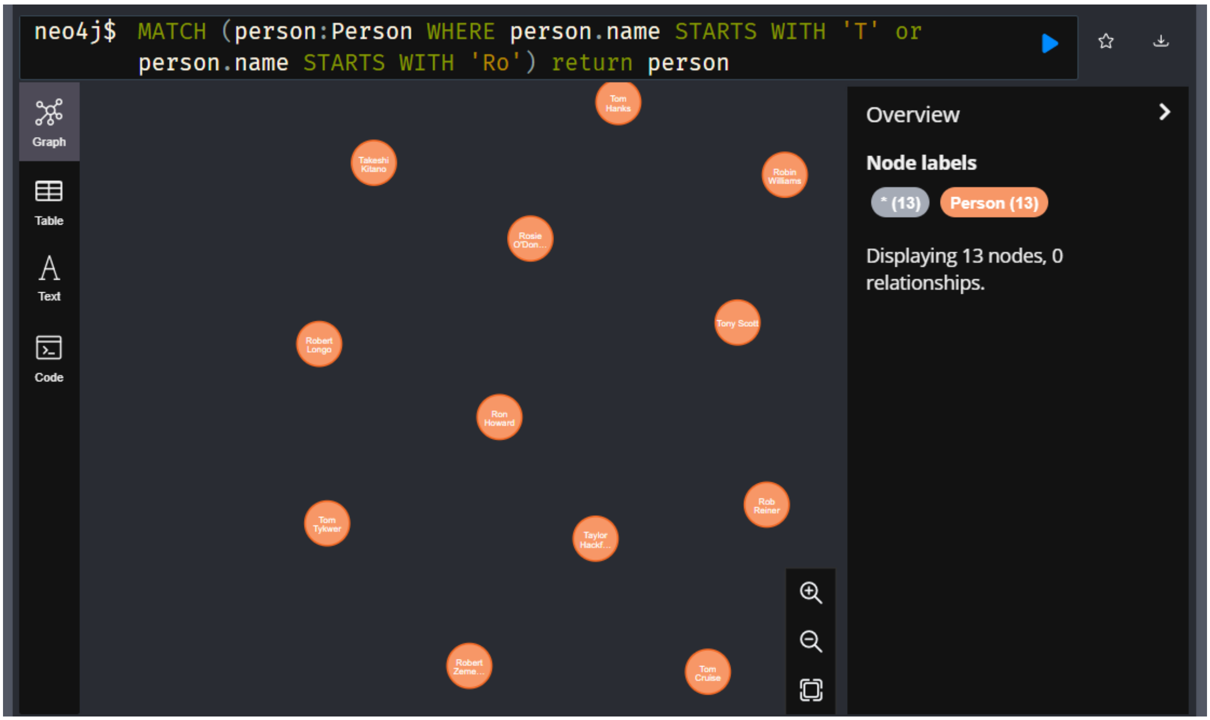
Relationship Types

* (23) ACTED_IN (19) DIRECTED (3) WROTE (1)

Displaying 24 nodes, 0 relationships.

15.

16. caminho mais curto entre Kevin Bacon e a Meg Ryaz



```
neo4j$ MATCH (person:Person WHERE person.name STARTS WITH 'T' or
       person.name STARTS WITH 'Ro') return person
```

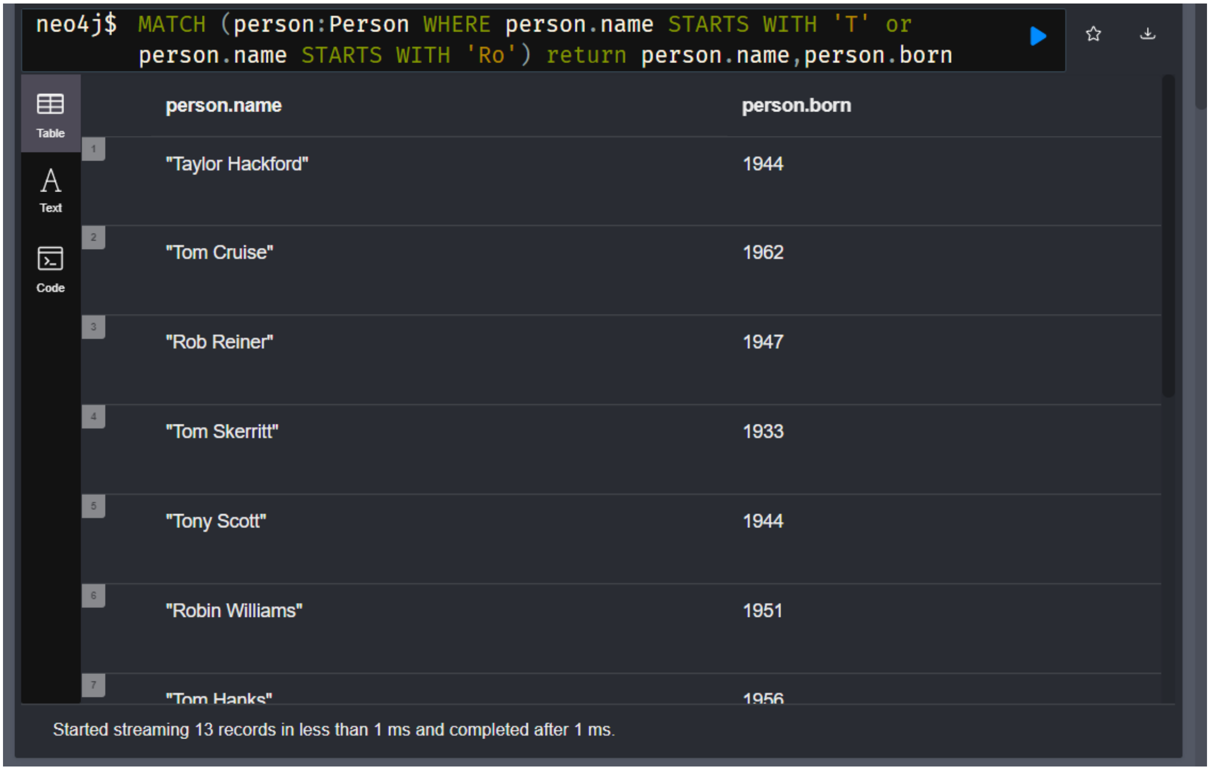
Overview

Node labels

* (13) Person (13)

Displaying 13 nodes, 0 relationships.

17.



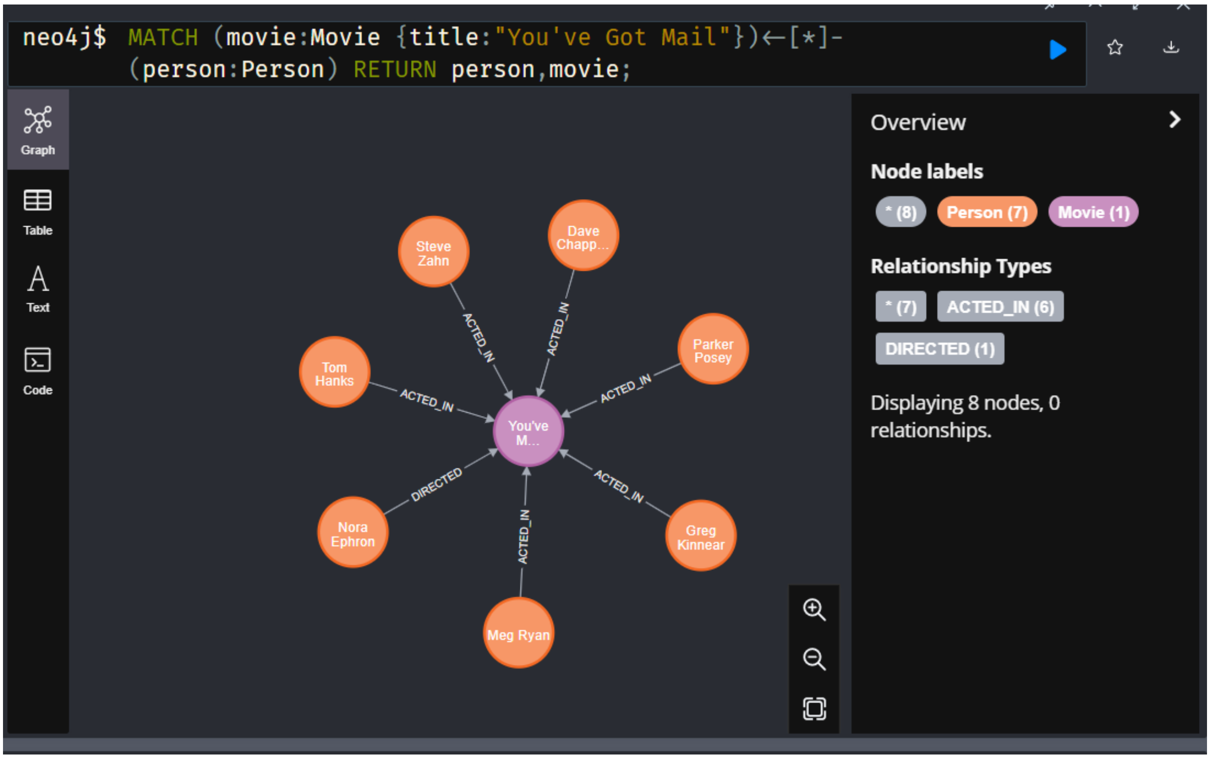
```
neo4j$ MATCH (person:Person WHERE person.name STARTS WITH 'T' or
       person.name STARTS WITH 'Ro') return person.name,person.born
```

	person.name	person.born
1	"Taylor Hackford"	1944
2	"Tom Cruise"	1962
3	"Rob Reiner"	1947
4	"Tom Skerritt"	1933
5	"Tony Scott"	1944
6	"Robin Williams"	1951
7	"Tom Hanks"	1956

Started streaming 13 records in less than 1 ms and completed after 1 ms.

18.

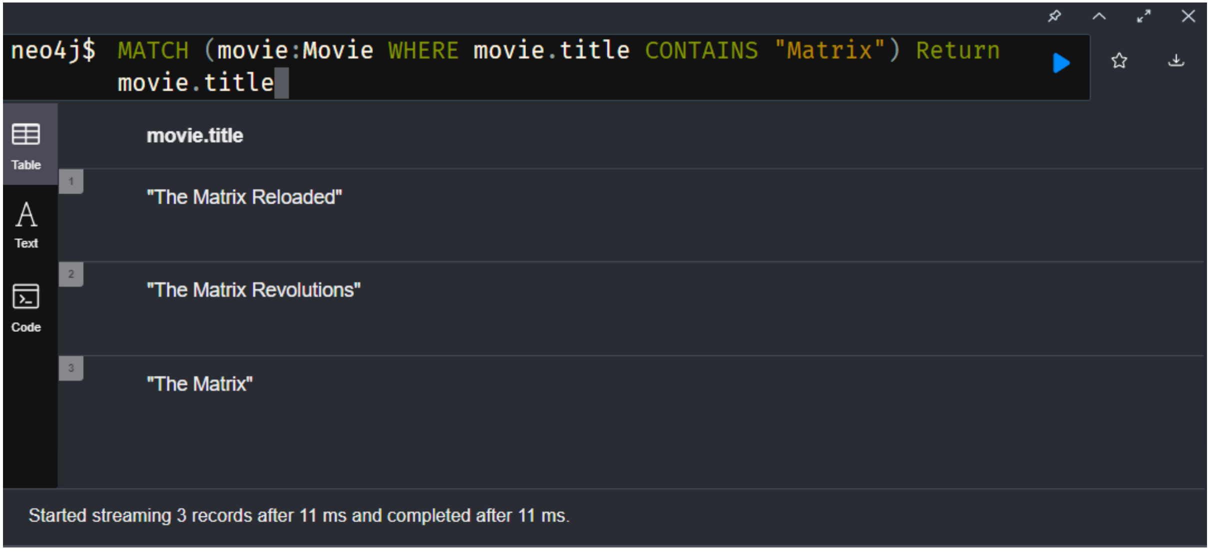
19.



```
neo4j$ MATCH (movie:Movie {title:"You've Got Mail"})←[*]-
       (person:Person) RETURN person,movie;
```

Displaying 8 nodes, 0 relationships.

20.

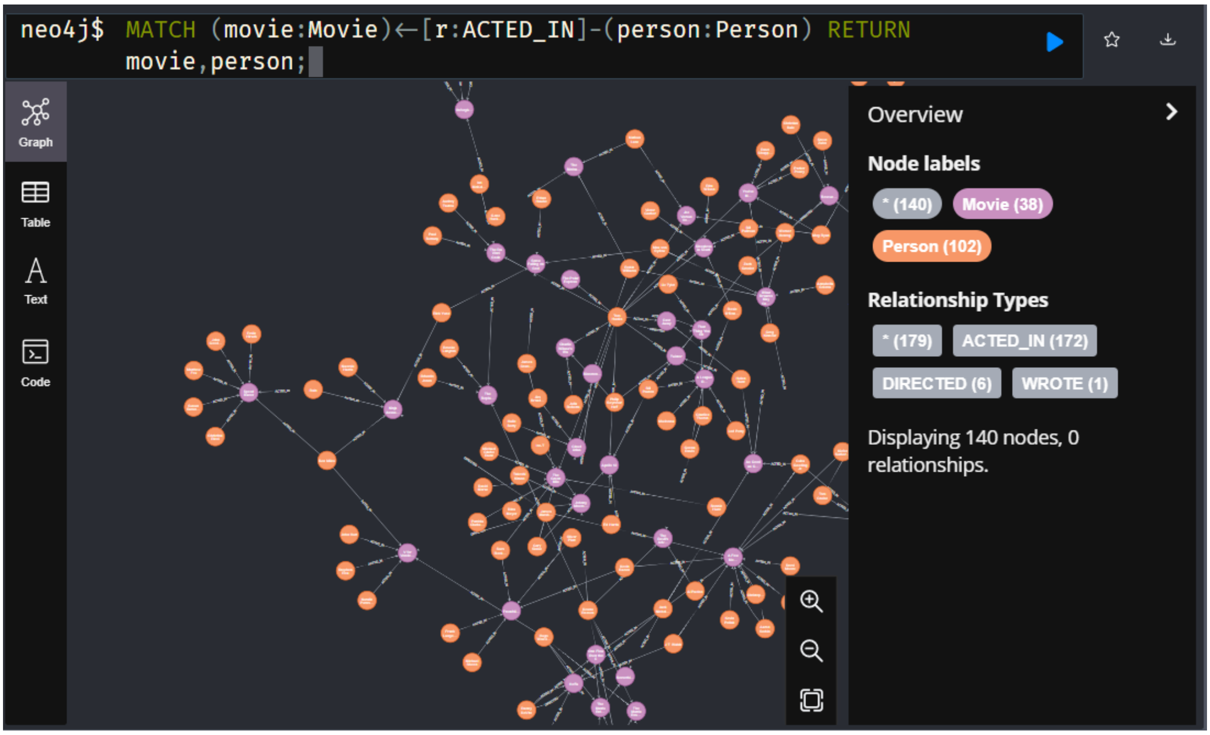


```
neo4j$ MATCH (movie:Movie WHERE movie.title CONTAINS "Matrix") Return
       movie.title
```

	movie.title
1	"The Matrix Reloaded"
2	"The Matrix Revolutions"
3	"The Matrix"

Started streaming 3 records after 11 ms and completed after 11 ms.

21.



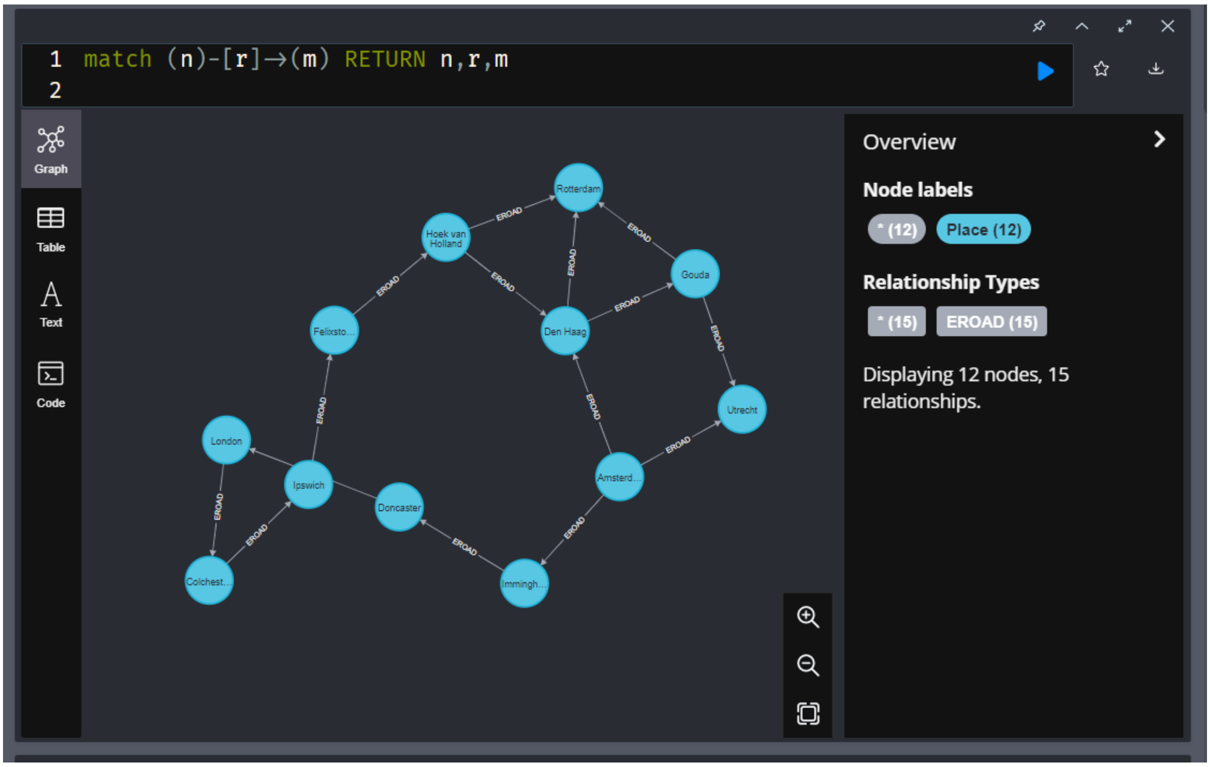
```
neo4j$ MATCH (movie:Movie)←[r:ACTED_IN]-(person:Person) RETURN
       movie,person;
```

Displaying 140 nodes, 0 relationships.

Transport Graph

1. Mostra todos os nos e todas as relações com outros nos

2.



```
match (n)-[r]→(m) RETURN n,r,m
```

Displaying 12 nodes, 15 relationships.

3. Distance is 138
4. 720 to amsterdam from London