

Database Information

Node labels

Location

Person

Relationship types

No relationships in database

Property keys

city

name

state

Database

Version:

3.0.3


Name:

default graphdb


Size:


191.92 KiB


Information


 sysinfo


The screenshot shows the Neo4j Browser interface. At the top, the query editor contains the Cypher query: `MATCH (n) RETURN n LIMIT 25`. Below the query editor, the graph visualization area displays 11 nodes. The nodes are categorized into two types: **Location** (pink circles) and **Person** (blue circles). The Location nodes are: Boston, Lynn, Miami, Portland, and San Francisco. The Person nodes are: Liz, Mike, Sally, and Steve. There are no relationships visible between the nodes. The left sidebar shows the 'Graph' view selected. The bottom status bar indicates 'Displaying 11 nodes, 0 relationships.' and 'AUTO-COMPLETE ON'.














Database Information

Node labels

Location

Person

Relationship types

FRIENDS

Property keys

city

name

state

Database

Version:

3.0.3


Name:

default.graphdb

Size:

192.85 KiB

Information

 sysinfo

```
1 MATCH(a:Person {name:'Shawn'}),
2     (b:Person {name:'Sally'})
3 MERGE(a)-[:FRIENDS {since:2001}]->(b)
```

The screenshot shows the Neo4j Cypher query editor interface. At the top, the query bar contains the text: `MATCH (n) RETURN n LIMIT 25`. Below the query bar, there are two tabs: "Graph" (selected) and "Rows". The "Graph" tab displays a graph visualization with 11 nodes and 1 relationship. The nodes are represented by colored circles: pink for locations and blue for persons. The locations are Boston, Lynn, Miami, and Portland. The persons are Liz, Sally, Shawn, Steve, and Mike. A relationship labeled "FRIENDS" connects Liz and Mike. The "Rows" tab is empty. At the bottom of the interface, a status bar indicates: "Displaying 11 nodes, 1 relationship (completed with 1 additional relationship)." and a toggle for "AUTO-COMPLETE" is set to "ON".

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Database Information

Node labels

Location

Person

Relationship types

FRIENDS

Property keys

city

name

state

Database

Version: 3.0.3

Name: default graphdb

Size: 192.85 KiB

Information ⓘ sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

*(11)

Location(5)

Person(6)

*(2)

FRIENDS(2)

Rows

Text

Code

```
graph TD; Boston((Boston)); Lynn((Lynn)); Portland((Portland)); Shawn((Shawn)); Liz((Liz)); Mike((Mike)); Sally((Sally)); Steve((Steve)); Shawn -- FRIENDS --> Sally; Liz -- FRIENDS --> Mike;
```

FRIENDS

<id>: 1

since: 2001

\$ MATCH(a:Person {name:'Shawn'}), (b:Person {name:'Sally'}) MERGE(a)-[:FRIENDS {since:2001}]->(b)

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Database Information

Node labels

Relationship types

Property keys

Database

LocationPerson

FRIENDS

citynamesincestate

Version: 3.0.3
Name: default graphdb
Size: 211.73 KiB
Information sysinfo

1 MATCH (a:Person {name: 'Shawn'}),
2 (b:Person {name: 'John'})
3 MERGE (a)-[:FRIENDS {since:2012}]->(b)

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✕

▶

MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(11)Location(5)Person(6)

*(2)FRIENDS(2)

Shawn

Liz

Mike

Lynn

Portland

San Francisco

Sally

John

Steve

FRIENDS

FRIENDS

Displaying 11 nodes, 2 relationships (completed with 2 additional relationships).

AUTO-COMPLETE

ON

Resources available

Database Information

Node labels

Location Person

Relationship types

FRIENDS

Property keys

city name since state

Database

Version: 3.0.3

Name: default graphdb

Size: 212.76 KiB

Information ⓘ sysinfo

1 MATCH (a:Person {name:'Mike'}),

2 (b:Person {name:'Shawn'})

3 MERGE (a)-[:FRIENDS {since:2006}]->(b)

Set 1 property, created 1 relationship, statement executed in 9 ms.

Returned 0 rows.

\$(11) Location(5) Person(6)

\$(2) FRIENDS(2)

Shawn

Mike

Li

FRIENDS

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Database Information

Node labels

LocationPerson

Relationship types

FRIENDS

Property keys

citynamesincestate

Database

Version:3.0.3

Name:default graphdb

Size:212.76 KiB

Information ⓘ sysinfo

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(11)

Location(5)

Person(6)

*(4)

FRIENDS(4)

```
graph LR; John((John)) -- FRIENDS --> Shawn((Shawn)); Shawn -- FRIENDS --> Mike((Mike)); Mike -- FRIENDS --> Liz((Liz)); Sally((Sally)) -- FRIENDS --> Shawn; Boston((Boston)); Lynn((Lynn)); Portland((Portland)); SanFrancisco((San Francisco)); Steve((Steve));
```

Displaying 11 nodes, 4 relationships (completed with 4 additional relationships)

AUTO-COMplete ☒

\$ MATCH(a:Person {name:'Mike'}), (b:Person {name:'Shawn'}) MERGE(a)-[:FRIENDS {since:2006}]->(b)

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Database Information

Node labels

Location

Person

Relationship types

FRIENDS

MARRIED

Property keys

city

name

since

state

Database

Version: 3.0.3

Name: default graphdb

Size: 216.32 KiB

Information ⓘ sysinfo

\$

Graph

Rows

Text

Code

\$ MATCH (n) RETURN n LIMIT 25

*(11)

Location(5)

Person(6)

*(6)

FRIENDS(5)

MARRIED(1)

Displaying 11 nodes, 6 relationships (completed with 6 additional relationships).

AUTO-COMplete ON

\$ MATCH(a:Person {name:'Liz'}), (b:Person {name:'John'}) MERGE(a)-[:MARRIED {since:1998}]->(b)

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Database Information

Node labels

LocationPerson

Relationship types

FRIENDSMARRIED

Property keys

citynamesincestate

Database

Version: 3.0.3

Name: default graphdb

Size: 219.14 KiB

Information sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text

Code

*(11) Location(5) Person(6)

*(7) BORN_IN(1) FRIENDS(5) MARRIED(1)

BORN_IN <id>: 6 year: 1978

\$ MATCH(a:Person {name:'John'}), [b:Location {city:'Boston'}] MERGE(a)-[:BORN_IN {year:1978}]->(b)

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version:3.0.3

Name:default graphdb

Size:221.93 KiB

Information ⓘ sysinfo

\$ MATCH (n) RETURN n LIMIT 25

Graph

Rows

Text


Code


*(11)Location(5)Person(6)


*(9)BORN_IN(3)FRIENDS(5)MARRIED(1)


Location<id>: 10city: San Franciscostate: CA


\$ MATCH(a:Person {name:'Mike'}), (b:Location {city:'San Francisco'}) MERGE(a)-[:BORN_IN {year:1960}]->(b)














Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version:

3.0.3


Name:

default.graphdb

Size:

224.94 KiB

Information

 sysinfo

```
$ MATCH(a:Person)-[:BORN_IN]->(b:Location {city:'Boston'})RETURN a,b
```

§ MATCH (n) RETURN n LIMIT 25

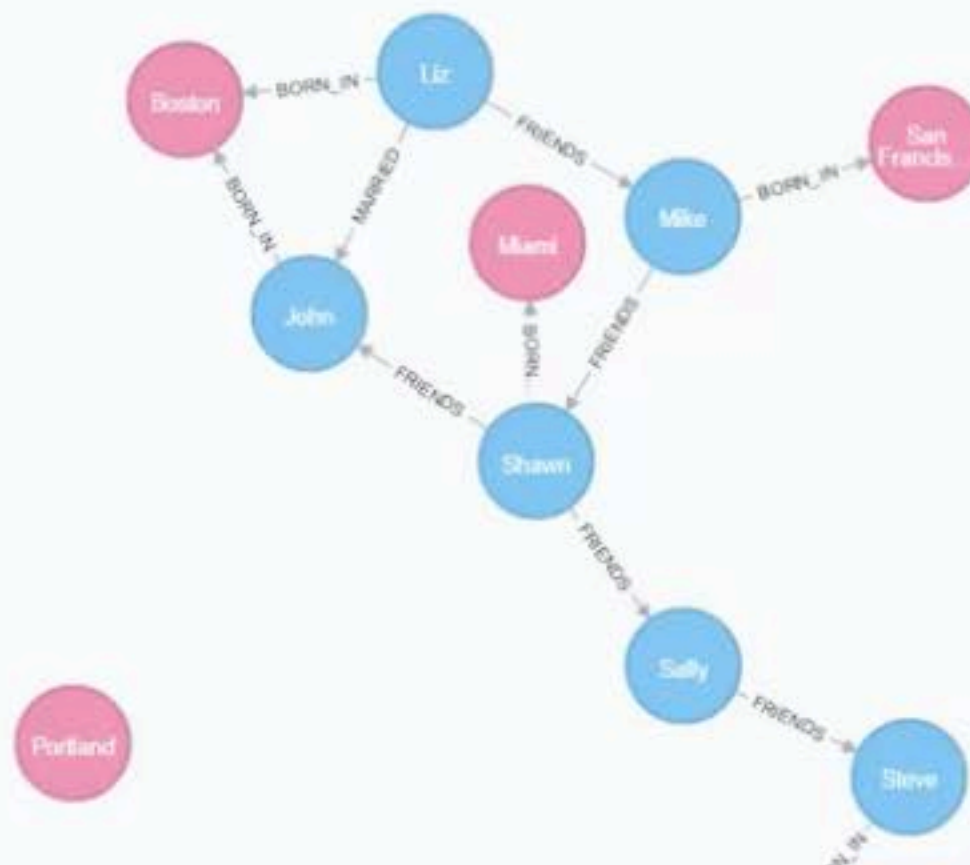
Graph

* (11) Location (5) Person (5)

* (11) BORN_IN(5) FRIENDS(5) MARRIED(1)

A
Test

Code



Displaying 11 nodes, 11 relationships (completed with 11 additional relationships)

AUTO-COMPLETE **ON**

```
$ MATCH(a:Person {name:'Steve'}), (b:Location {city:'Lynn'}) MERGE(a)-[:BORN_IN {year:1970}]->(b)
```


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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version: 3.0.3

Name: default graphdb

Size: 224.94 KiB

Information ⓘ sysinfo

\$

\$ MATCH (a:Person)-[:BORN_IN]->(b:Location {city:'Boston'}) RETURN a,b

Graph

*(3) Location(1) Person(2)

*(3) BORN_IN(2) MARRIED(1)

Rows

Text

Code

John

BORN_IN

Boston

MARRIED

Liz

Person

<id>: 0

name: John

\$ MATCH (n) RETURN n LIMIT 25

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version: 3.0.3

Name: default graphdb

Size: 224.94 KiB

Information ⓘ sysinfo

\$ MATCH (a:Person)-[:BORN_IN]->(b:Location {city:'Boston'}) RETURN a.name

☆ × ▶

\$ MATCH (a:Person)-[:BORN_IN]->(b:Location {city:'Boston'}) RETURN a

📄 📌 ↗ ✕

Graph

*(2) Person(2)

*(1) MARRIED(1)

Rows

Text

Code

John

MARRIED

Liz

Displaying 2 nodes, 1 relationship (completed with 1 additional relationship).

AUTO-COMPLETE ☒

\$ MATCH (a:Person)-[:BORN_IN]->(b:Location {city:'Boston'}) RETURN a,b

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Neo4j

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version:3.0.3

Name:default graphdb

Size:224.94 KiB

InformationⓈ sysinfo

\$ MATCH (a) --> () RETURN a

Errors

Code

Query cannot conclude with MATCH (must be RETURN or an update clause) (line 1, column 1 (offset: 0))
"MATCH (a) --> () "
^

Neo.ClientError.Statement.SyntaxError

\$ MATCH (a:Person)-[:BORN_IN]->(b:Location {city:'Boston'}) RETURN a.name

Rows

Text

Code

a.name
Liz
John

Neo4j

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version:3.0.3

Name:default graphdb

Size:224.94 KiB

Information🕒 sysinfo

\$ MATCH (a) --> () RETURN a

Graph

*(6)Person(6)

*(6)FRIENDS(5)MARRIED(1)

Rows


Text

Code


Displaying 6 nodes, 6 relationships (completed with 6 additional relationships).

AUTO-COMPLETEON

\$ MATCH (a) --> ()




Database Information



Node labels

Location

Person



Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version:

3.0.3

Name:

default graphdb




Size:

224.94 KiB





Information


Ⓢ sysinfo

\$ MATCH (a) -- () RETURN a




\$ MATCH (a) --> () RETURN a







*(6) Person(6)



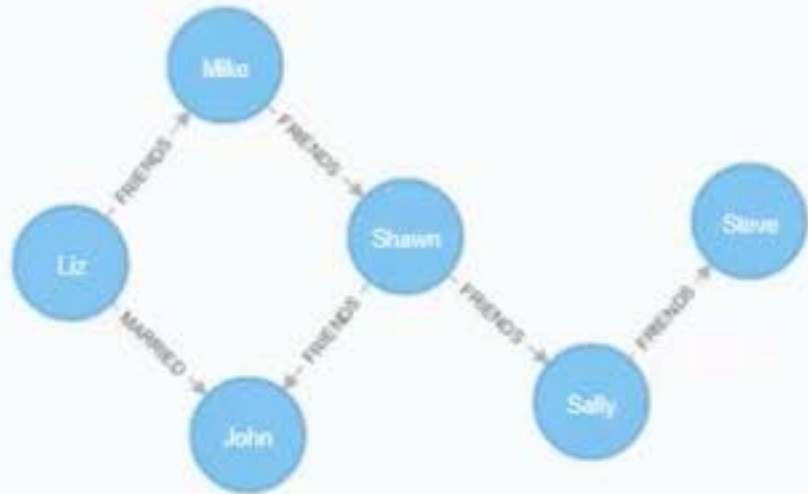
*(6) FRIENDS(5) MARRIED(1)



Test



Code







```
graph TD; Liz((Liz)) -- FRIENDS --> Mike((Mike)); Liz -- MARRIED --> John((John)); Mike -- FRIENDS --> Shawn((Shawn)); John -- FRIENDS --> Shawn; Shawn -- FRIENDS --> Sally((Sally)); Sally -- FRIENDS --> Steve((Steve));
```

Displaying 6 nodes, 6 relationships (completed with 6 additional relationships).

AUTO-COMPLETE ☒

\$ MATCH (a) --> ()





Database Information

Node labels

Location Person

Relationship types

BORN_IN FRIENDS MARRIED

Property keys

city name since state year

Database

Version: 3.0.3
Name: default graphdb
Size: 226.97 KiB
Information: sysinfo

\$

MATCH (a) -- () RETURN a



Graph



Rows



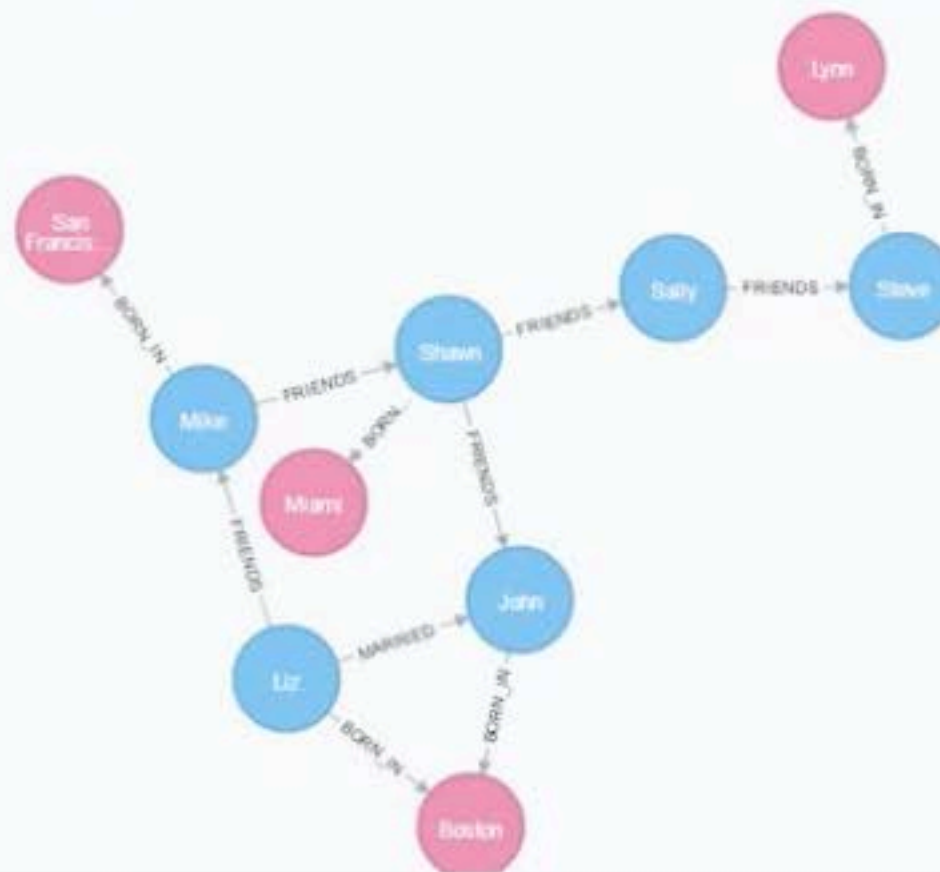
Text



Code

*(10) Location(4) Person(6)

*(11) BORN_IN(5) FRIENDS(5) MARRIED(1)



Displaying 10 nodes, 11 relationships (completed with 11 additional relationships).

AUTO-COMPLETE ON

MATCH (a) --> () RETURN a

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Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version: 3.0.3

Name: default graphdb

Size: 226.97 KiB

Information ⓘ sysinfo

\$ MATCH(a)-[r]-() RETURN a.name, type (r)

☆ × ▶

\$ MATCH(a)--() RETURN a

📄 📌 ↗ ✕

Graph

Rows

Text

Code

*(10) Location(4) Person(6)

*(11) BORN_IN(5) FRIENDS(5) MARRIED(1)

```
graph TD
    Lynn((Lynn)) -- BORN_IN --> SanFrancisco((San Francisco))
    Lynn -- FRIENDS --> Sally((Sally))
    Sally -- FRIENDS --> Shawn((Shawn))
    Shawn -- FRIENDS --> John((John))
    John -- BORN_IN --> Miami((Miami))
    John -- BORN_IN --> Liz((Liz))
    Liz -- MARRIED --> John
    Liz -- FRIENDS --> Mike((Mike))
    Mike -- FRIENDS --> Shawn
    Mike -- BORN_IN --> SanFrancisco
```

Displaying 10 nodes, 11 relationships (completed with 11 additional relationships).

AUTO-COMplete ☒

\$ MATCH(a)-->() RETURN a

📄 📌 ↗ ✕

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version:3.0.3

Name:default graphdb

Size:226.97 KiB

Information ⓘ sysinfo

\$ MATCH(a)-[r]-()RETURN a.name, type (r)

Rows

a.name	type (r)
John	BORN_IN
John	MARRIED
John	FRIENDS
Sally	FRIENDS
Sally	FRIENDS
Steve	BORN_IN
Steve	FRIENDS
Mike	BORN_IN
Mike	FRIENDS
Mike	FRIENDS
Liz	BORN_IN
Liz	MARRIED
Liz	FRIENDS
Shawn	BORN_IN
Shawn	FRIENDS
Shawn	FRIENDS

Returned 22 rows in 58 ms.

Text

Code

\$ MATCH(a)--()RETURN a

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version:3.0.3

Name:default graphdb

Size:226.97 KiB

Information🕒 sysinfo

\$ MATCH(a)-[r]->()RETURN DISTINCT type (r)

\$ MATCH(a)-[r]->()RETURN type (r)

Rows

type (r)

BORN_IN

FRIENDS

BORN_IN

BORN_IN

FRIENDS

BORN_IN

MARRIED

FRIENDS

BORN_IN

FRIENDS

FRIENDS

Returned 11 rows in 33 ms.

\$ MATCH(a)-[r]-()RETURN a.name, type (r)

Rows

a.name

John

John

John

Text

type (r)

BORN_IN

MARRIED

FRIENDS

Neo4j

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version: 3.0.3

Name: default graphdb

Size: 229.51 KiB

Information sysinfo

\$ MATCH (a:Person {name:'Mike'})-[r1:FRIENDS]-()-[r2:FRIENDS]-(friend_of_a_friend)
RETURN friend_of_a_friends.name AS fofName

\$ MATCH (n) RETURN n LIMIT 25

*(13) Location(5) Person(8)

*(12) BORN_IN(5) FRIENDS(6) MARRIED(1)

Graph

Rows

Text

Code

```
graph TD
    Portland((Portland))
    John((John))
    Shawn((Shawn))
    Todd((Todd))
    Sally((Sally))
    Boston((Boston))
    Li((Li))
    Mike((Mike))
    SanFrancisco((San Francisco))
    Miami((Miami))

    Portland -- BORN_IN --> John
    John -- BORN_IN --> Boston
    John -- FRIENDS --> Shawn
    Shawn -- FRIENDS --> Todd
    Shawn -- FRIENDS --> Sally
    Shawn -- BORN_IN --> Miami
    Li -- MARRIED --> John
    Li -- FRIENDS --> Mike
    Mike -- FRIENDS --> Shawn
    Mike -- BORN_IN --> SanFrancisco
```

Displaying 13 nodes, 12 relationships (completed with 12 additional relationships)

AUTO-COMPLETE ☒

Neo4j

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Database Information

Node labels

Location

Person

Relationship types

BORN_IN

FRIENDS

MARRIED

Property keys

city

name

since

state

year

Database

Version: 3.0.3

Name: default graphdb

Size: 229.51 KiB

Information ⓘ sysinfo

\$ MATCH(a:Person {name:'Mike'})-[r1:FRIENDS]-()-[r2:FRIENDS]-(friend_of_a_friend) RETURN friend_of_a_frie...

fofName

John

Sally

Returned 2 rows in 44 ms.

\$ MATCH(a:Person {name:'Mike'})-[r1:FRIENDS]-()-[r2:FRIENDS]-(friend_of_a_friend) RETURN friend_of_a_frie...

Errors

Code

Variable `friend_of_a_friends` not defined (line 1, column 88 (offset: 87))

"MATCH(a:Person {name:'Mike'})-[r1:FRIENDS]-()-[r2:FRIENDS]-(friend_of_a_friend) RETURN friend_of_a_friends.name AS fofName"

Neo4j

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Database Information

Node labels

LocationPerson

Relationship types

BORN_INFRIENDSMARRIED

Property keys

citynamesincestateyear

Database

Version: 3.0.3

Name: default graphdb

Size: 229.51 KiB

Information ⓘ sysinfo

\$

\$ MATCH (n) RETURN n LIMIT 25

Graph

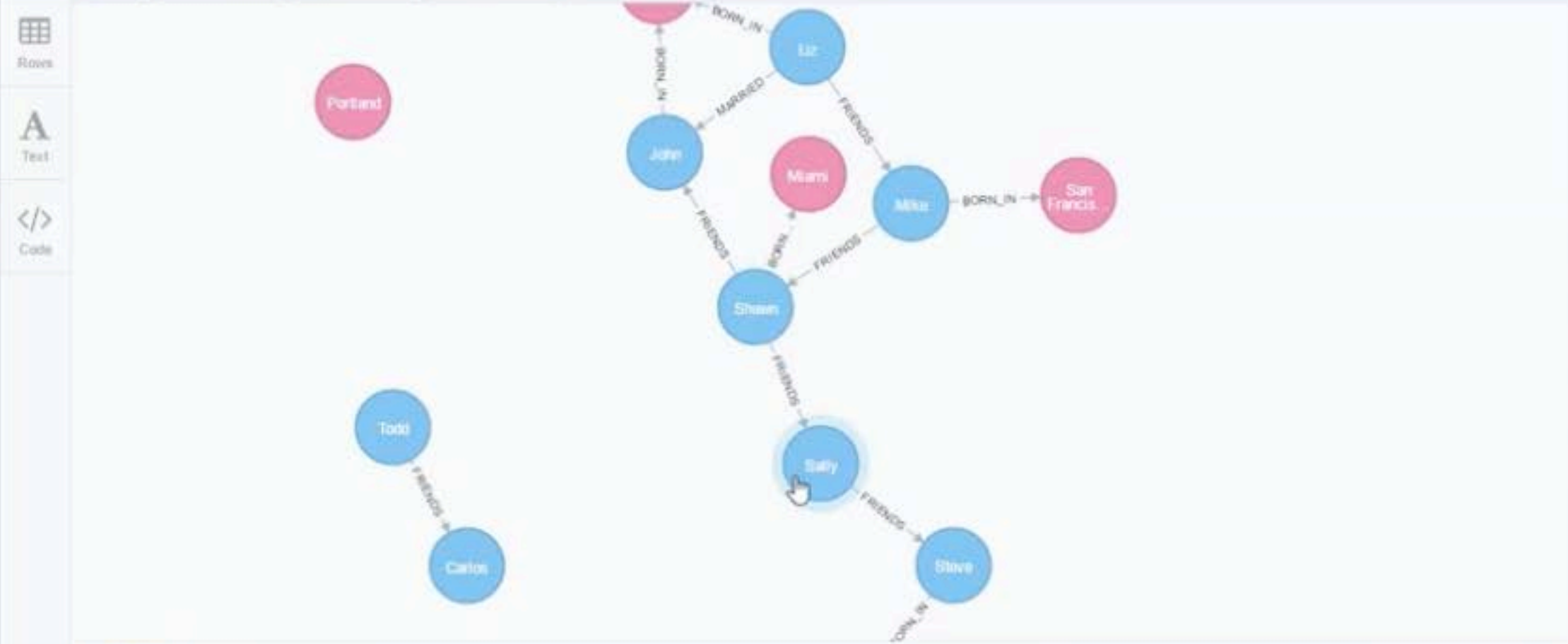
Rows

Text

Code

*(13) Location(5) Person(8)

*(12) BORN_IN(5) FRIENDS(6) MARRIED(1)



```
graph TD
    Portland((Portland))
    John((John))
    Liz((Liz))
    Mike((Mike))
    Shawn((Shawn))
    Sally((Sally))
    Steve((Steve))
    Todd((Todd))
    Carlos((Carlos))

    Portland -- BORN_IN --> Liz
    John -- MARRIED --> Liz
    John -- FRIENDS --> Shawn
    Shawn -- BORN_IN --> Miami((Miami))
    Shawn -- FRIENDS --> Mike
    Mike -- BORN_IN --> SanFrancisco((San Francisco))
    Sally -- FRIENDS --> Steve
    Steve -- BORN_IN --> Steve
    Todd -- FRIENDS --> Carlos
```

Person <id>: 1 name: Sally

\$ MATCH(a:Person {name:'Mike'})-[r1:FRIENDS]-()-[r2:FRIENDS]-(friend_of_a_friend) RETURN friend_of_a_frie...