

## Neo4j server:

```
WARNING: This command does not appear to be running with administrative rights. Some commands may fail e.g. Start/Stop
2018-01-26 01:39:08.765+0000 INFO ===== Neo4j 3.3.1 =====
2018-01-26 01:39:08.800+0000 INFO Starting...
2018-01-26 01:39:09.864+0000 INFO Bolt enabled on 127.0.0.1:7687.
2018-01-26 01:39:14.638+0000 INFO Started.
2018-01-26 01:39:15.745+0000 INFO Remote interface available at http://localhost:7474/
```

## Query:

CREATE

```
(NorthAmerica:Location {name:'North America', type:'continent'}),
(UnitedStates:Location {name:'United States', type:'country' }),
(ID:Location {name:'Idaho', type:'state' }),
(Europe:Location {name:'Europe', type:'continent'}),
(UnitedKingdom:Location {name:'United Kingdom', type:'country' }),
(France:Location {name:'France', type:'country' }),
(England:Location {name:'England', type:'country' }),
(Burgdny:Location {name_fr:'Bourgogne', name:'Burgundy', type:'region' }),
(London:Location {name:'London', type:'city' }),
(CotedOr:Location {name:'Cote-dOr', type:'department' }),
(Beaune:Location {name:'Beaune', type:'city' }),
(Lucy:Person {name:'Lucy' }),
(Alain:Person {name:'Alain' }),
```

/\* Add relationship \*/

```
(ID) -[:WITHIN]-> (UnitedStates) -[:WITHIN]-> (NorthAmerica),
(London) -[:WITHIN]-> (England) -[:WITHIN]-> (UnitedKingdom) -[:WITHIN]-> (Europe),
(Beaune) -[:WITHIN]-> (CotedOr) -[:WITHIN]-> (Burgdny) -[:WITHIN]-> (France) -[:WITHIN]-> (Europe),
(Alain) -[:BORN_IN]-> (Beaune),
```

(Lucy) -[:BORN\_IN]-> (ID),  
(Alain) -[:LIVES\_IN]-> (London),  
(Lucy) -[:LIVES\_IN]-> (London),  
(Lucy) -[:Married]-> (Alain),  
(Alain) -[:Married]-> (Lucy)

The screenshot shows a database interface with a sidebar on the left containing 'Database Information', 'Node Labels', 'Relationship Types', and 'Property Keys'. The main area displays a Cypher query: `$ CREATE (NorthAmerica:Location {name:'North America', type:'continent'}), (UnitedStates:Location {name:'Unit...`. Below the query, a status message reads: 'Added 13 labels, created 13 nodes, set 25 properties, created 15 relationships, completed after 17 ms.' The interface includes a top bar with a search icon and a bottom bar with a table icon and a code icon.

### Match Query:

`/* Cypher query to find people who emigrated from the US to Europe*/`

`MATCH`

`(person) -[:BORN_IN]-> () -[:WITHIN*0..]-> (USA:Location {name:'United States'}),`

`(person) -[:LIVES_IN]-> () -[:WITHIN*0..]-> (Europe:Location {name:'Europe'})`

`RETURN person.name`

The screenshot shows the same database interface as before, but with a different Cypher query: `$ /* Cypher query to find people who emigrated from the US to Europe*/ MATCH (person) -[:BORN_IN]-> () -[:WITHIN*0..]-> (USA:Location {name:'United States'}), (person) -[:LIVES_IN]-> () -[:WITHIN*0..]-> (Europe:Location {name:'Europe'}) RETURN person.name`. The results are displayed in a table with the header 'person.name' and one row containing the value 'Lucy'. The status message at the bottom reads: 'Started streaming 1 row(s) after 31 ms and completed after 34 ms'.

