CMPINF 2110

Spring 2021

Homework 05

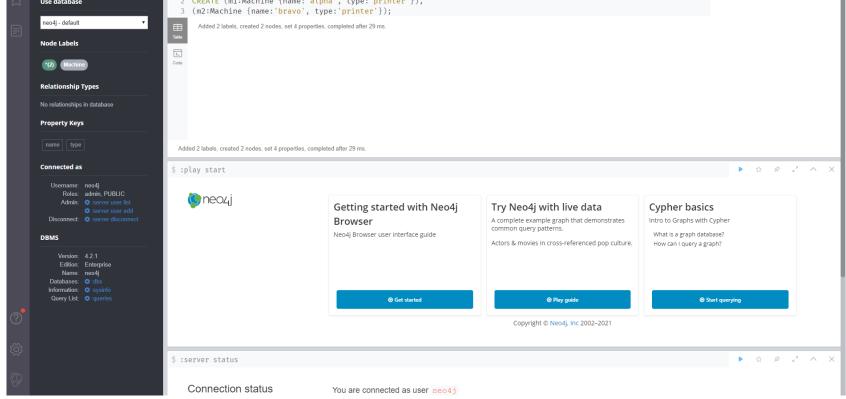
Solutions

Create the nodes

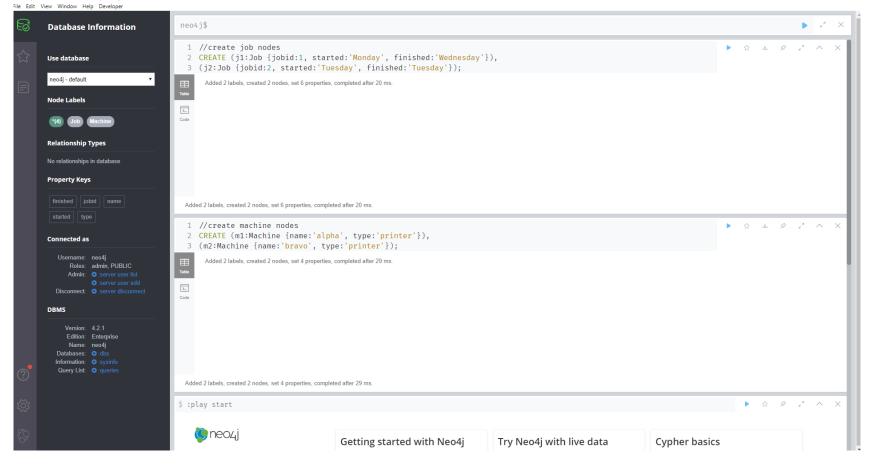
File Edit View Window Help Developer neo4j\$ **Database Information** 1 //create machine nodes ☆ ± ☆ ∠ⁿ ∧ × 2 CREATE (m1:Machine {name:'alpha', type:'printer'}), Use database 3 (m2:Machine {name:'bravo', type:'printer'}); neo4j - default Added 2 labels, created 2 nodes, set 4 properties, completed after 29 ms. Node Labels >_ **Relationship Types** No relationships in database **Property Keys** Added 2 labels, created 2 nodes, set 4 properties, completed after 29 ms. Connected as \$:play start ☆ ☆ √ ∧ ×

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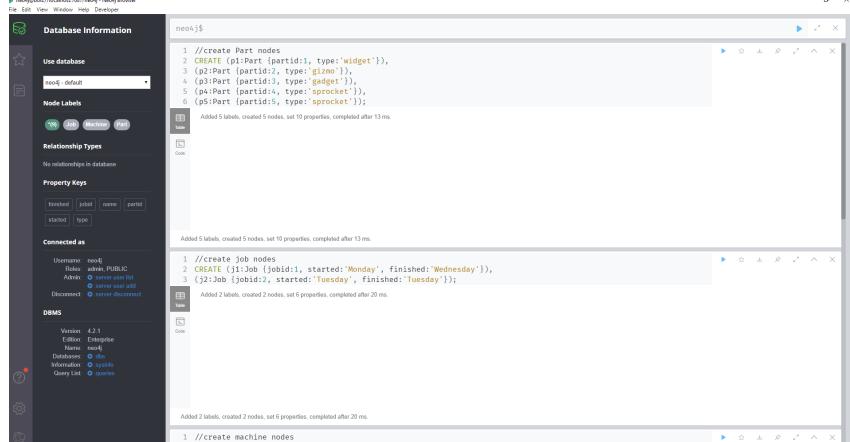
neo4j@bolt://localhost:/68//neo4j - Neo4j Browser



P nedj@bolt//localhost:7687/nedj - Nedj Browser

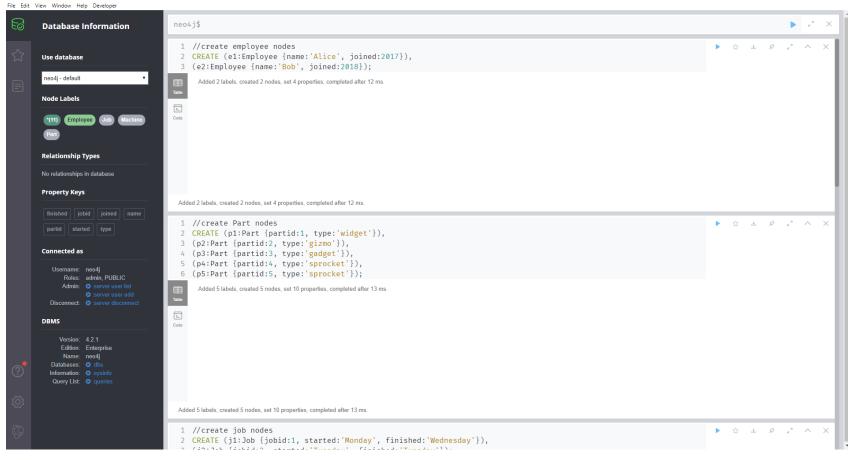


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2 CREATE (m1:Machine {name:'alpha', type:'printer'}),

🏺 neo4j@bolt://localhost:7687/neo4j - Neo4j Browser

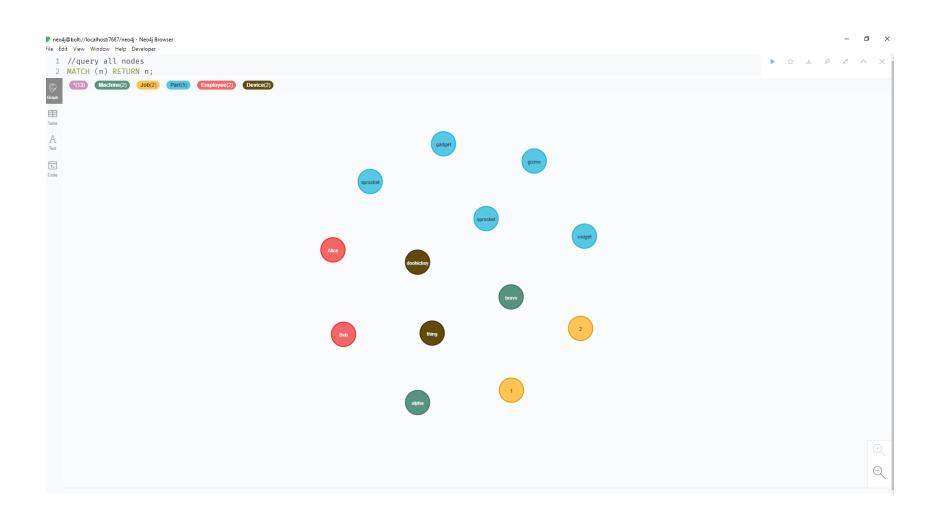


† neo4j@bolt://localhost:7687/neo4j - Neo4j Browser le Edit View Window Help Developer

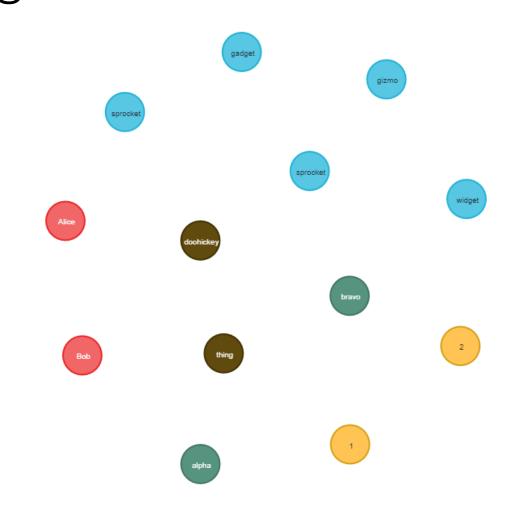


- o ×

All nodes but have not put in relationships yet



All nodes in the network with colors representing the Labels



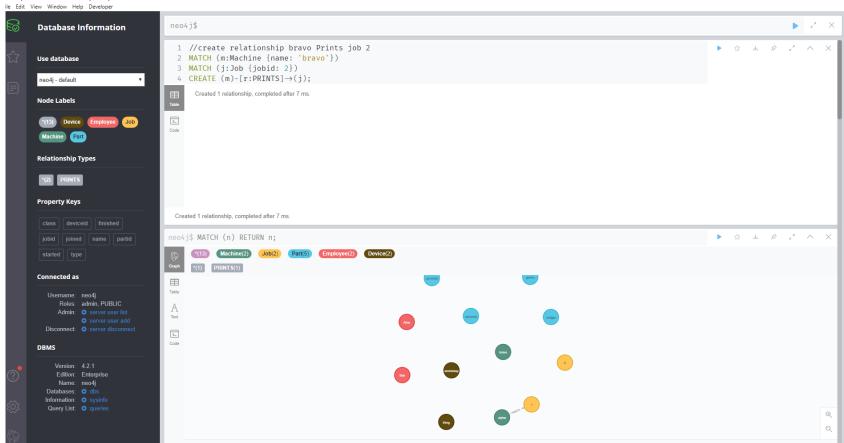
Create relationships

Fineodi@boltr/localhost7687/neodij - Neodij Browser

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* neosygoottt//iocainostr.ros//neosy - Neosy browser



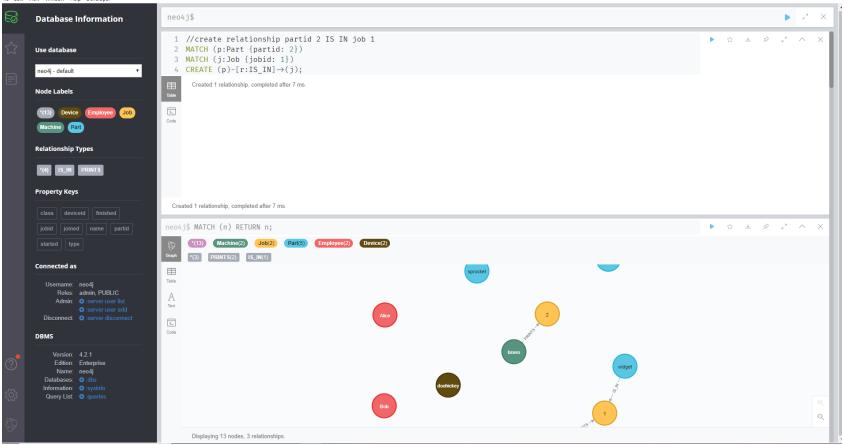
Displaying 13 nodes, 1 relationships.

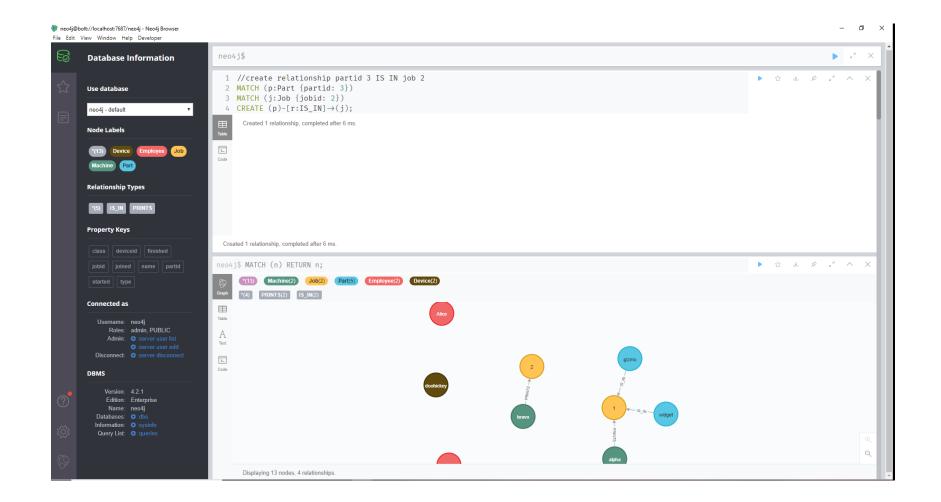


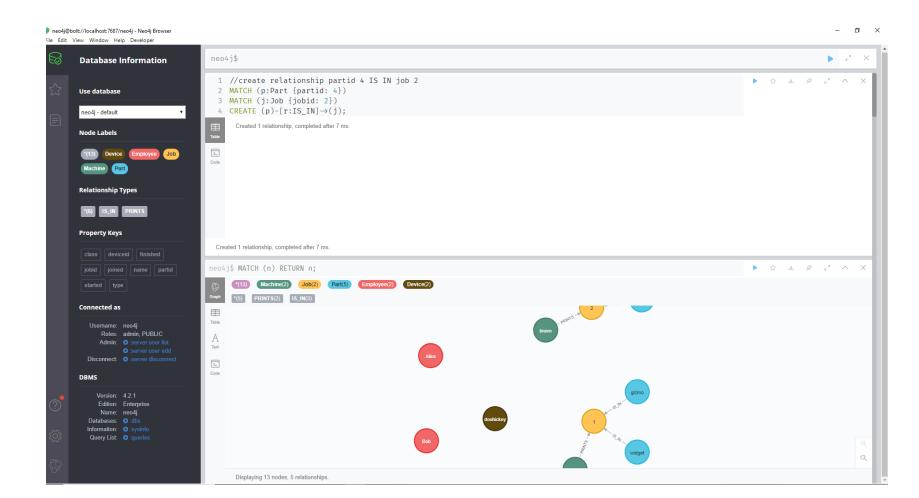


P neo-dj@bolt://localhost:7687/neo-dj - Neo-dj Browser

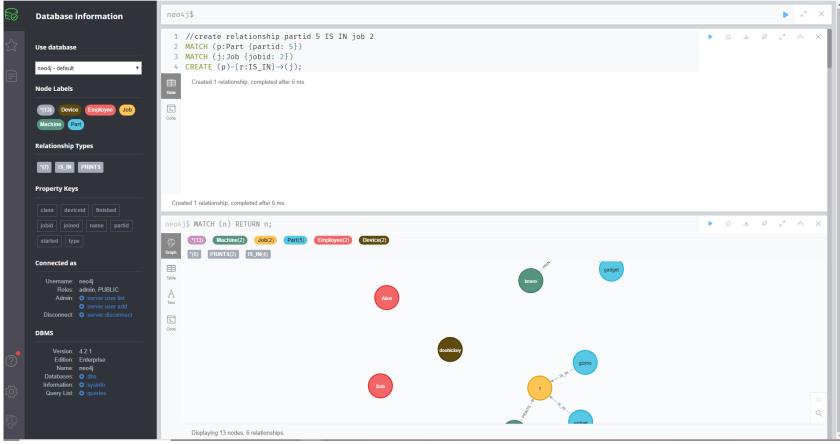
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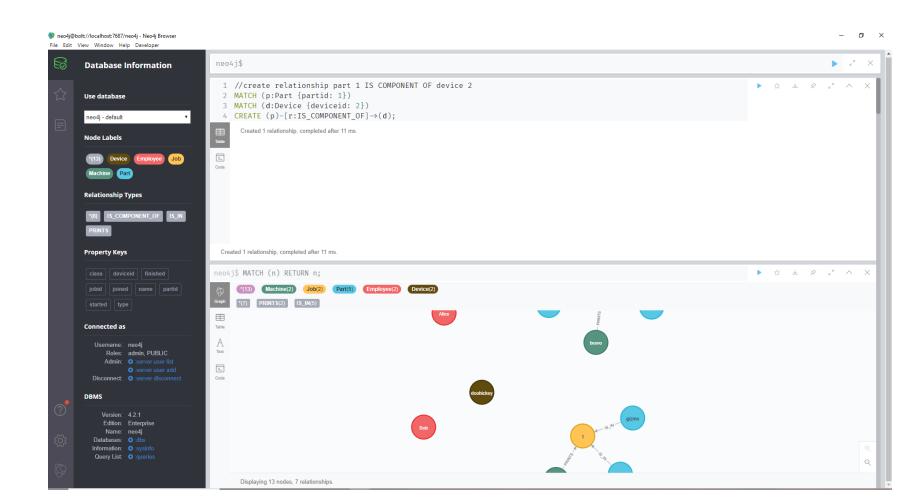


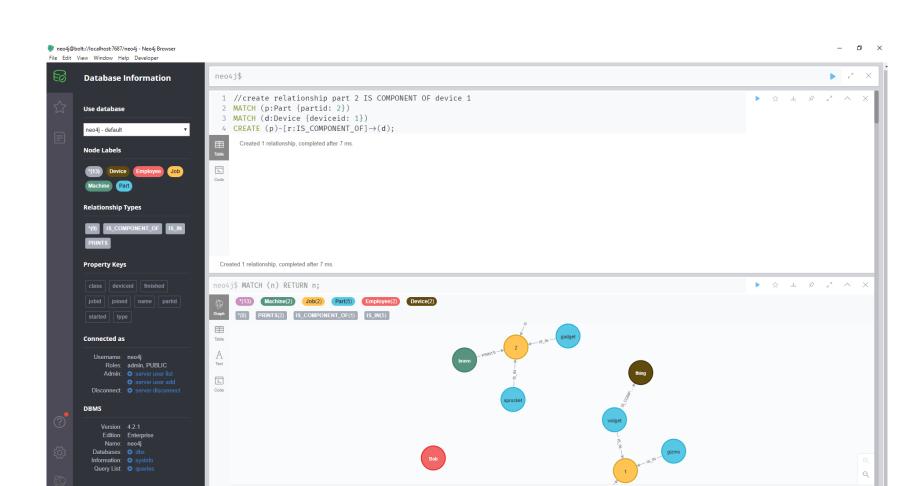




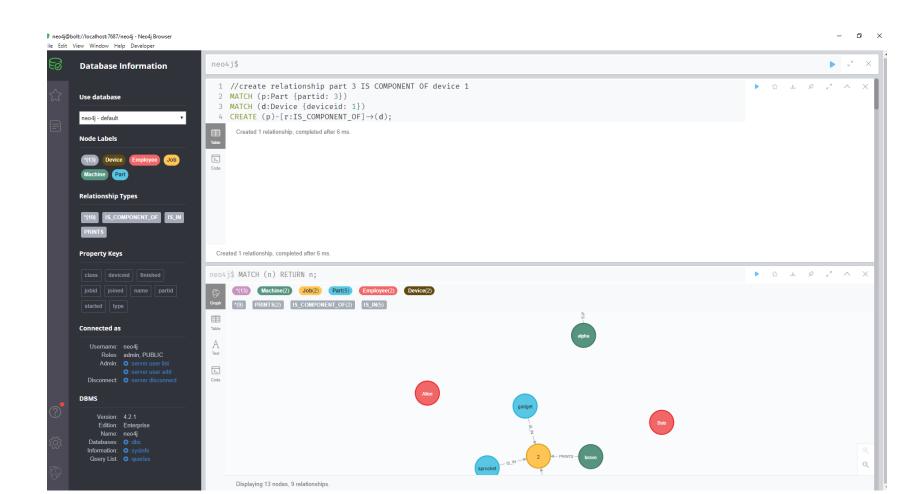
neo4j@bolt://localhost:7687/neo4j - Neo4j Browser
ile Edit View Window Help Developer

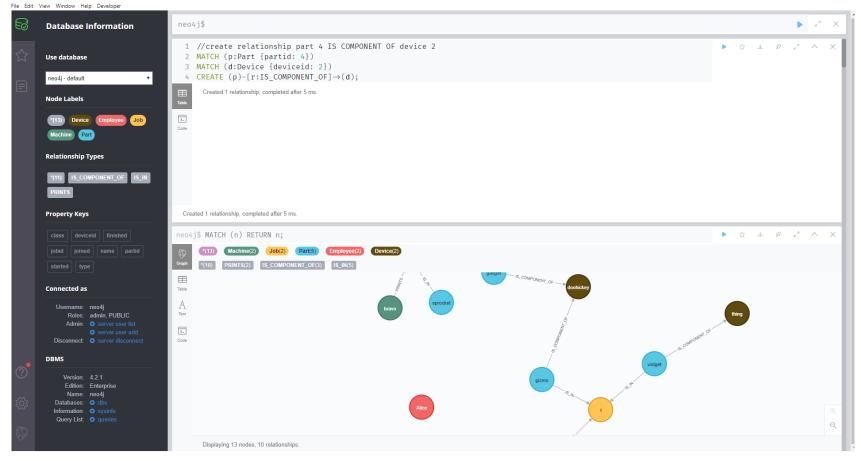


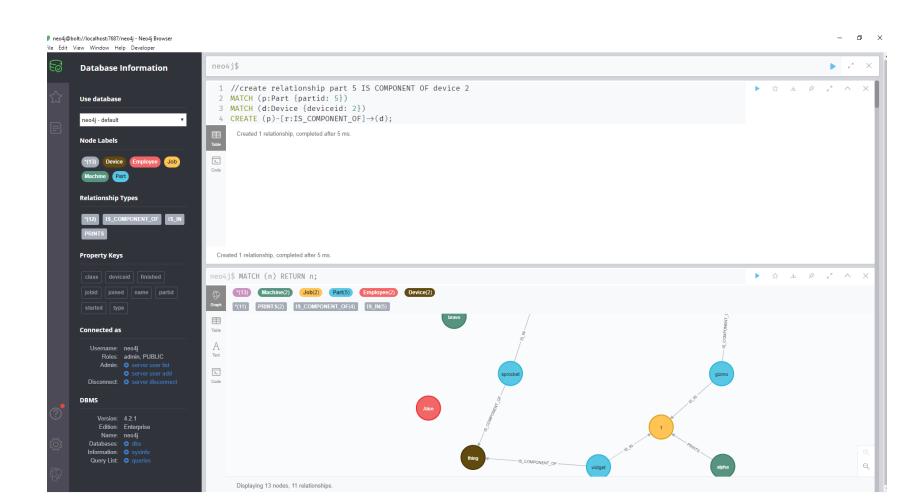


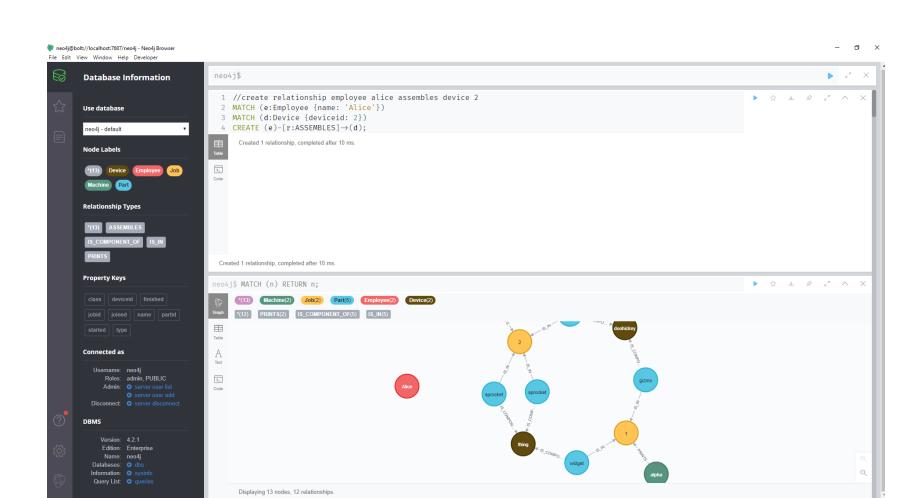


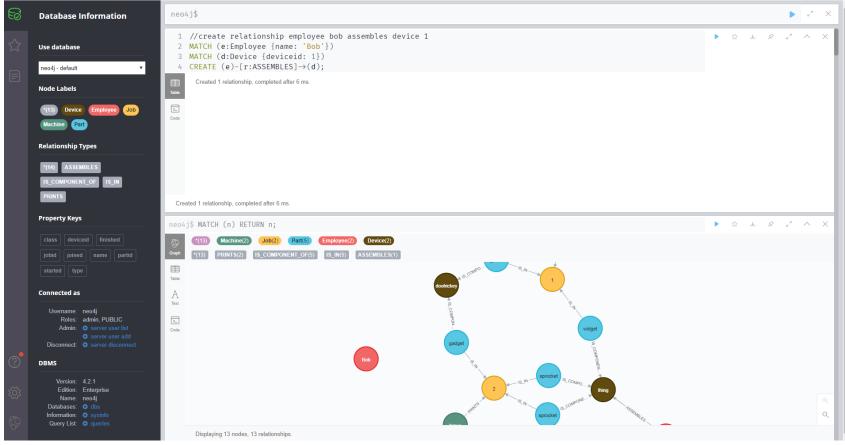
Displaying 13 nodes, 8 relationships.



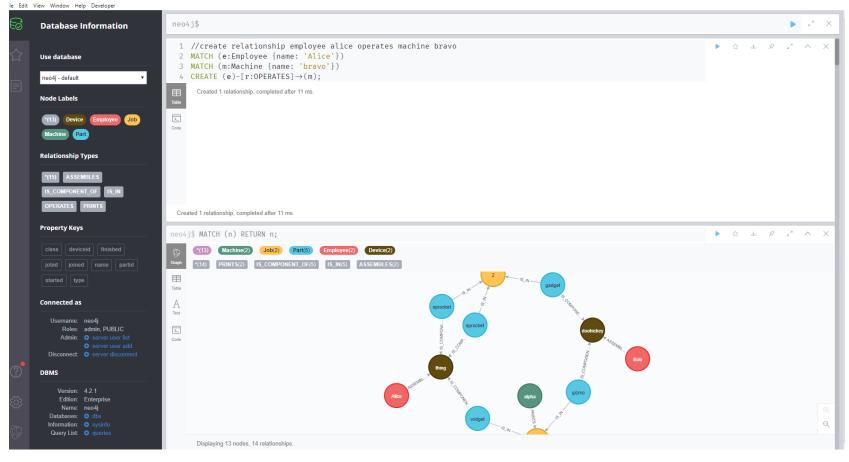


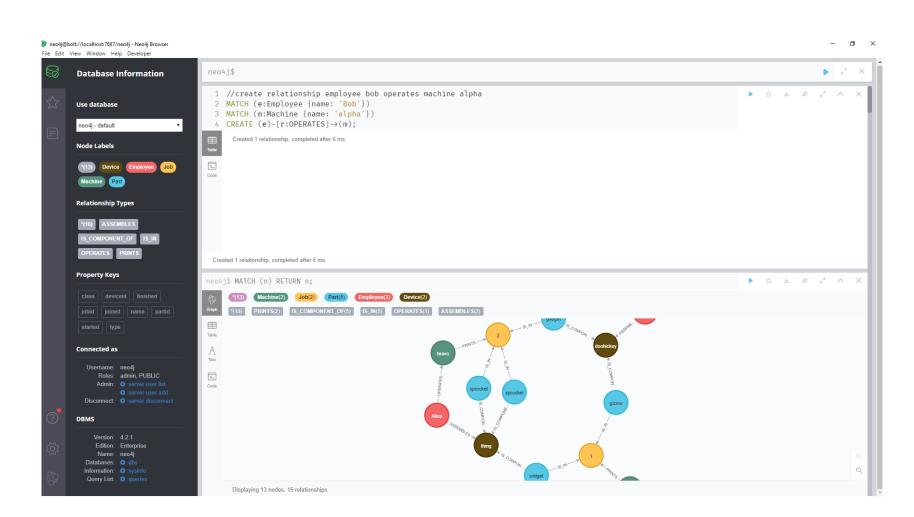




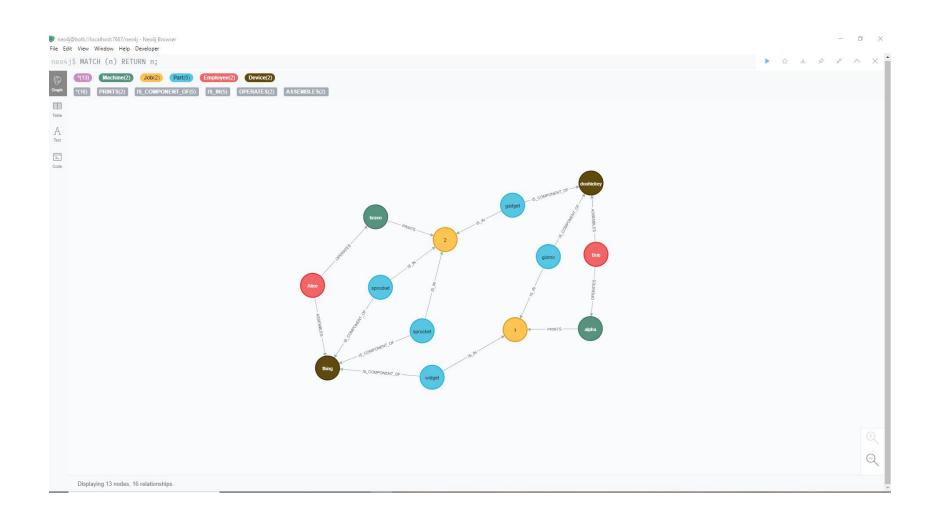


P neo4j@bolt://localhost:7687/neo4j - Neo4j Browser

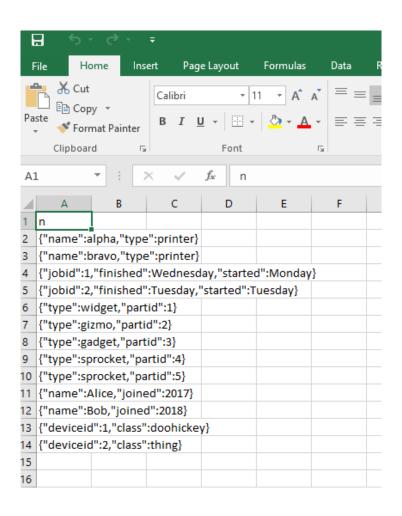




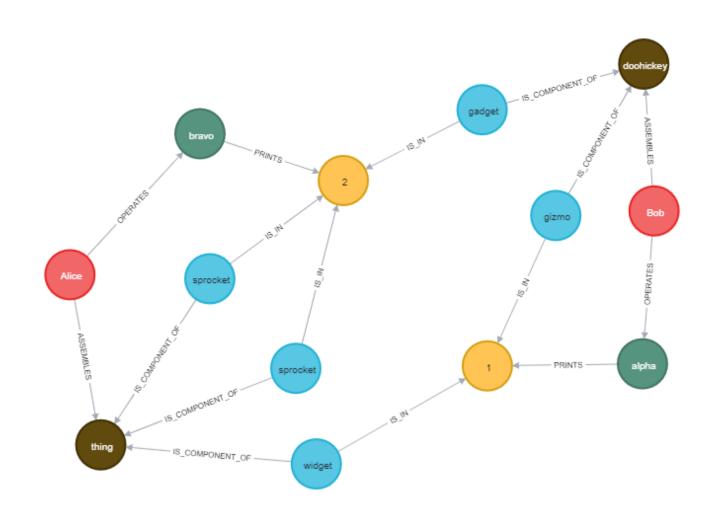
The completed network



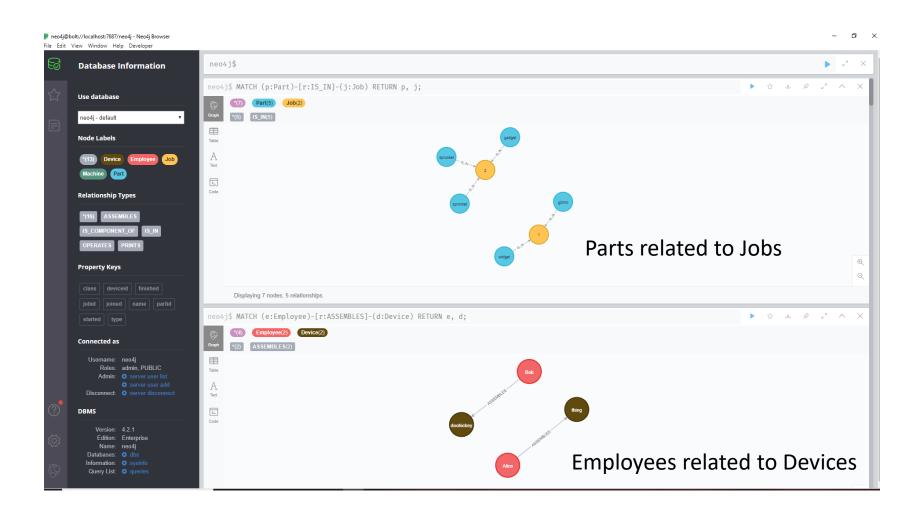
Export "table" to CSV



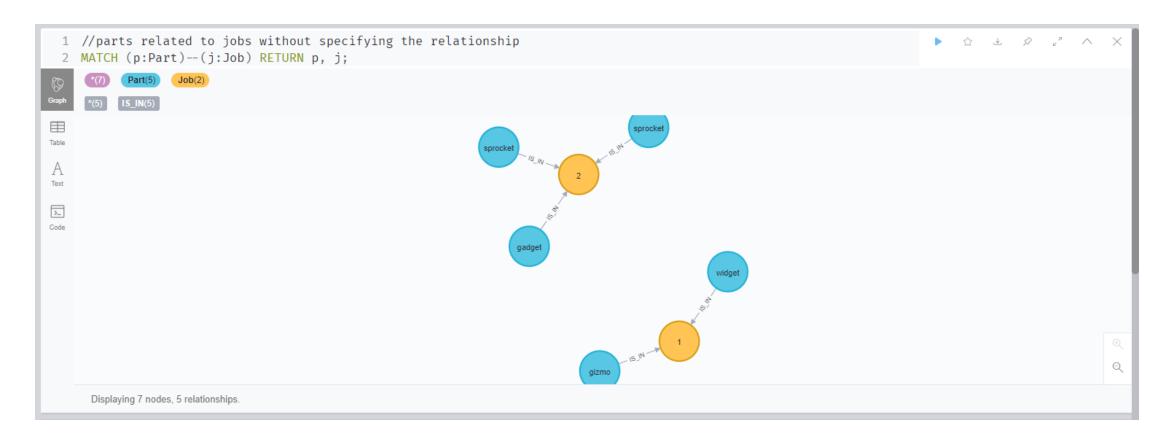
Complete network exported to PNG



Query subset of the graph



Multiple ways to execute these queries. Do not need to specify the exact RELATIONSHIP TYPE. Can query Part and Job nodes related in any way!



Same applies to Employees related to Devices

