- 1. Use the provided Cypher script to create the graph database
 - You could use any names for your project and the graph database

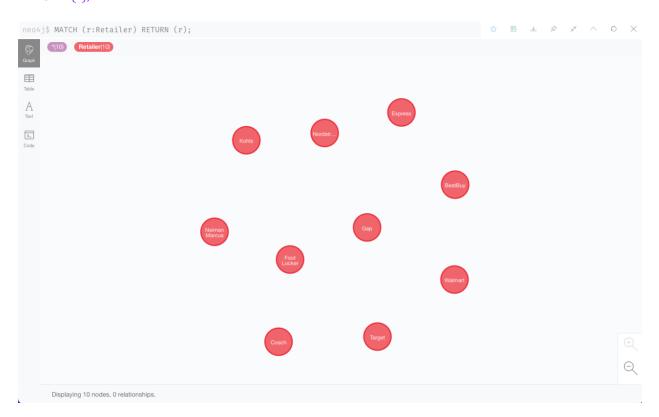
and then click the play button on the right.

DONE

2. Execute the following Cypher code to get the list of retailers:

MATCH (r:Retailer)

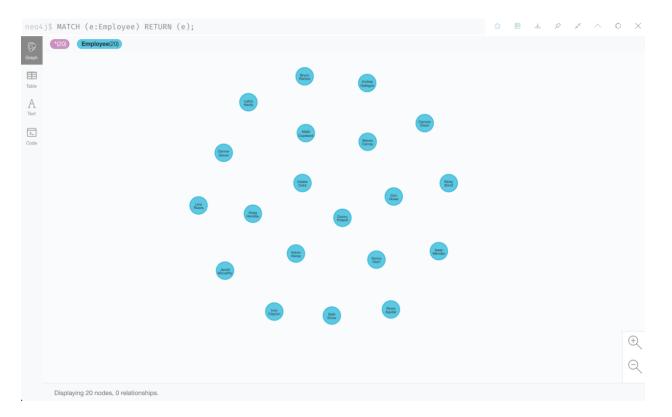
RETURN (r);



3. Execute the following Cypher code to get the list of employees:

MATCH (e:Employee)

RETURN (e);



4. Execute the following Cypher code to get the list of customers:

MATCH (c:Customer)

RETURN (c);

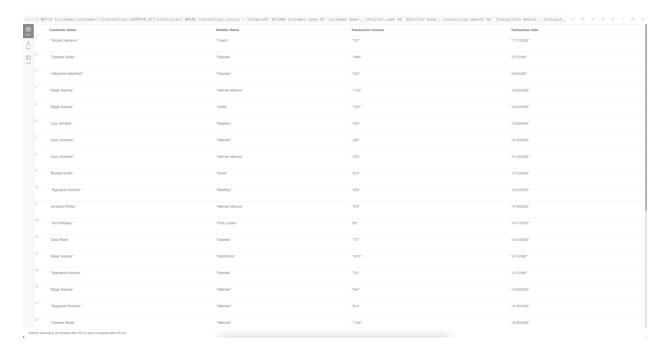


5. Execute the following Cypher code to get the list of all Disputed transactions

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer) WHERE transaction.status = "Disputed"

RETURN customer.name AS `Customer Name`, retailer.name AS `Retailer Name`, transaction.amount AS `Transaction Amount`, transaction.date AS `Transaction date`

ORDER BY 'Transaction date' DESC



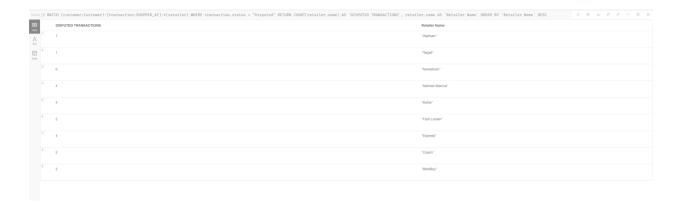


6. Write the Cypher code to get the number of disputed transactions for every retailer

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer) WHERE transaction.status = "Disputed"

RETURN COUNT(retailer.name) AS `DISPUTED TRANSACTIONS`, retailer.name AS `Retailer Name`

ORDER BY 'Retailer Name' DESC

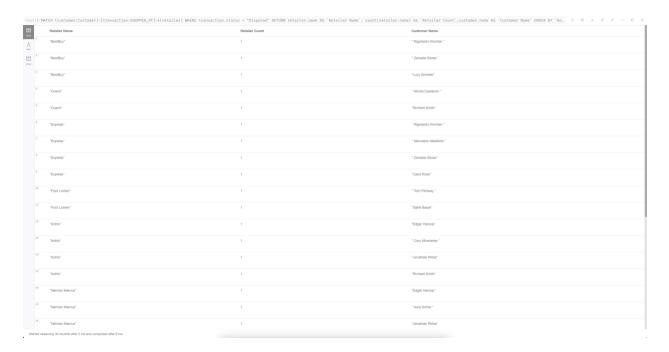


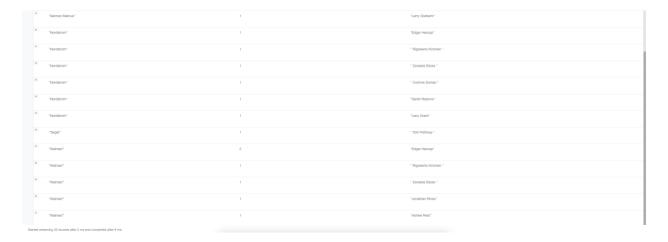
7. Write the Cypher code to get the number of disputed transactions and the list of customer names for these disputed transactions for every retailer

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer) WHERE transaction.status = "Disputed"

RETURN retailer.name AS `Retailer Name`, count(retailer.name) AS `Retailer Count`, customer.name AS `Customer Name`

ORDER BY 'Retailer Name'





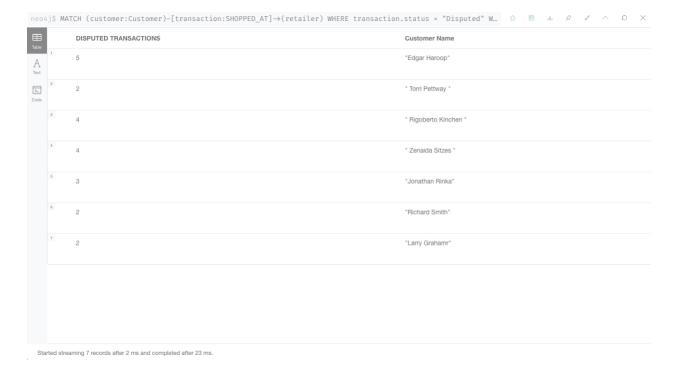
8. Write the Cypher code to get the number of disputed transactions for every customer that has more than one disputed transaction

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer) WHERE transaction.status = "Disputed"

WITH count(customer.name) as `DISPUTED TRANSACTIONS`, customer.name as `Customer Name`

WHERE 'DISPUTED TRANSACTIONS'>1

RETURN 'DISPUTED TRANSACTIONS', 'Customer Name'



9. Write the Cypher code to get the list of stores on LaSalle street that have disputed transactions and the number of disputed transactions for every store; the store list must be sorted by store name in ascending order.

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer)

WHERE transaction.status = "Disputed" AND (retailer.street =~ '(?i).*LaSalle.*')

RETURN COUNT(retailer.name) AS `DISPUTED TRANSACTIONS`,retailer.name AS `Retailer Name`

ORDER BY 'Retailer Name'



10. Write the Cypher code to get the list of Employees who work in at least 2 stores where disputed transactions reported in these retailers.

MATCH (employee:Employee)-[works:WORKS_AT]->(retailer) WHERE retailer.name<>"Gap"

WITH count(works) as 'Number of Stores Worked At', employee.name as 'Employee Name'

WHERE 'Number of Stores Worked At'>=2

RETURN 'Employee Name'

