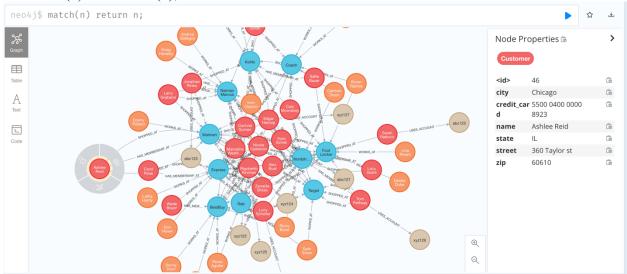
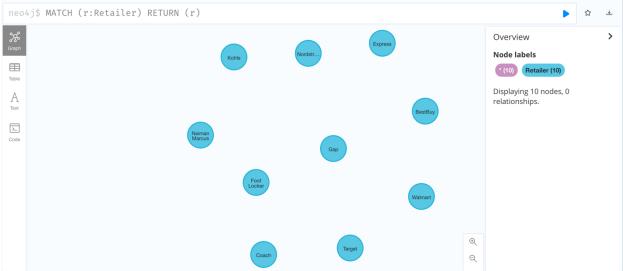
Kagen Quiballo | Assignment 5 | MSDS 420 | 11/23/2021

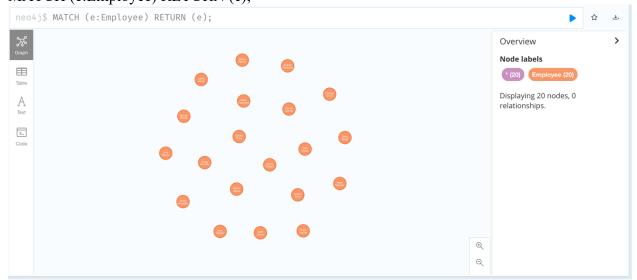
1d. Find the Customer Ashlee Reid and pull the node to the far left of the screen. MATCH (n) RETURN (n);



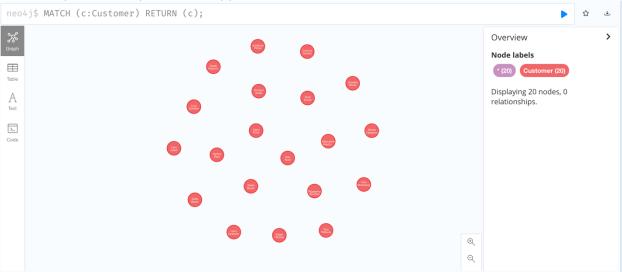
2. Execute the following Cypher code to get the list of retailers: (1 point) MATCH (r:Retailer) RETURN (r);



3. Execute the following Cypher code to the get the list of employees: (1 point) MATCH (e:Employee) RETURN (e);



4. Execute the following Cypher code to the get the list of customers: (1 point) MATCH (c:Customer) RETURN (c);



5. Execute the following Cypher code to the get the list of all disputed transactions: (1 point)

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

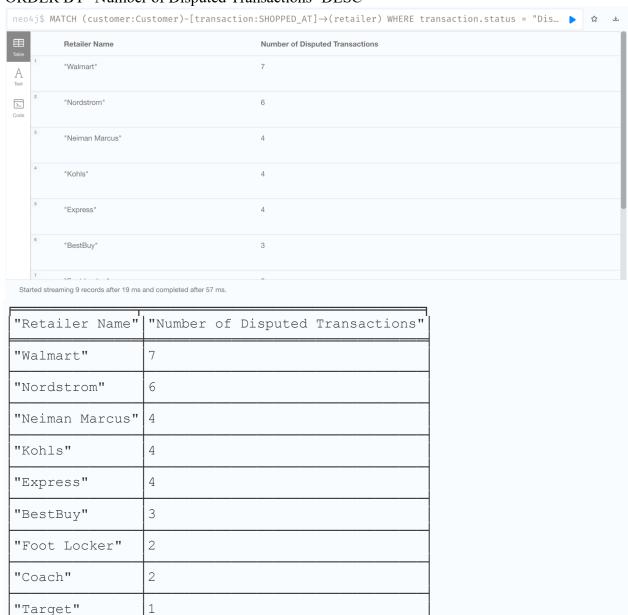


"Customer Name"	"Retailer Name"	"Transaction Amount"	"Transaction date
" Nicola Castanon "	"Coach"	"721"	"7/17/2020"
" Zenaida Sitzes "	"Express"	"1884"	"5/7/2020"
" Marceline Westfield "	"Express"	"533"	"5/6/2020"
"Edgar Haroop"	"Neiman Marcus"	"1732"	"5/26/2020"
"Edgar Haroop"	"Kohls"	"1021"	"5/23/2020"
"Lucy Scheller"	"BestBuy"	"424"	"5/20/2020"
"Larry Grahamr"	"Walmart"	"425"	"5/19/2020"
"Larry Grahamr"	"Neiman Marcus"	"475"	"5/19/2020"
"Richard Smith"	"Kohls"	"875"	"5/13/2020"
" Rigoberto Kinchen "	"BestBuy"	"424"	"5/10/2020"
"Jonathan Rinka"	"Neiman Marcus"	"375"	"4/19/2020"
" Torri Pettway "	"Foot Locker"	"62"	"4/17/2020"
"Carol Rose"	"Express"	"721"	"4/13/2020"
"Edgar Haroop"	"Nordstrom"	"1415"	"4/1/2020"
" Rigoberto Kinchen "	"Express"	"721"	"4/1/2020"
"Edgar Haroop"	"Walmart"	"654"	"3/20/2020"
" Rigoberto Kinchen "	"Walmart"	"914"	"3/18/2020"
" Zenaida Sitzes "	"Walmart"	"1149"	"3/18/2020"
"Richard Smith"	"Coach"	"1145"	"3/18/2020"
"Ashlee Reid"	"Walmart"	"1149"	"3/18/2020"
"Sarah Radovic"	"Nordstrom"	"516"	"3/15/2020"
" Aura Schiel "	"Neiman Marcus"	"830"	"3/13/2020"
" Cary Mcenaney "	"Kohls"	"468"	"2/29/2020"
"Edgar Haroop"	"Walmart"	"1849"	"2/20/2020"
" Rigoberto Kinchen "	"Nordstrom"	"1003"	"2/20/2020"
" Corinne Suman "	"Nordstrom"	"816"	"2/20/2020"
"Lacy Grant"	"Nordstrom"	"1003"	"2/20/2020"
"Jonathan Rinka"	"Kohls"	"1345"	"2/18/2020"
" Zenaida Sitzes "	"BestBuy"	"378"	"2/10/2020"
"Sallie Bauer"	"Foot Locker"	"378"	"2/10/2020"
" Torri Pettway "	"Target"	"605"	"1/27/2020"
"Jonathan Rinka"	"Walmart"	"945"	"1/27/2020"
" Zenaida Sitzes "	"Nordstrom"	"1790"	"1/20/2020"

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

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

RETURN retailer.name AS 'Retailer Name', COUNT(*) AS 'Number of Disputed Transactions' ORDER BY 'Number of Disputed Transactions' 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 (6 points)

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

RETURN retailer.name AS 'Retailer Name', customer.name AS 'Customer Name', COUNT(*) AS 'Number of Disputed Transactions'

ORDER BY 'Retailer Name', 'Customer Name'

	Retailer Name"	"Customer Name"	"Number of Disputed Transactions"	
_ !	BestBuy"	" Rigoberto Kinchen "	1	
-	BestBuy"	" Zenaida Sitzes "	1	
			- 	
ļ ļ <u>"</u>	BestBuy"	"Lucy Scheller"	1	
ļ.	Coach"	" Nicola Castanon "	1	
"Expr	Coach"	"Richard Smith"	1	
	Express"	" Marceline Westfield '		
	Express"	" Rigoberto Kinchen "		
<u> </u>			- 	
	Express"	" Zenaida Sitzes "		
"	Express"	"Carol Rose"	1	
"	Foot Locker"	" Torri Pettway "	1	
	Foot Locker"	"Sallie Bauer"	1	
			MAX COLUMN WIDTH:	
Buy"	"Lucy Scheller"	1		
:Buy" :Buy"	" Rigoberto Kinch			
Buy"	"Lucy Scheller"	1		
1"	" Nicola Castanor	" 1		
h"	"Richard Smith"	1		
ess"	" Marceline Westf			
ess"	" Rigoberto Kinch			
ess"	" Zenaida Sitzes	" 1		
ess"	"Carol Rose"	1		
Locker"	" Torri Pettway "	1		
Locker"	"Sallie Bauer"	1		
3"	" Cary Mcenaney "	1		
s"	"Edgar Haroop"	1		
s"	"Jonathan Rinka"	1		
	"Richard Smith"	1		
s"		1		
s" an Marcu	s" " Aura Schiel "	1		
s" man Marcu	s" " Aura Schiel " s" "Edgar Haroop"	1 1		
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8. Write the Cypher code to get the number of disputed transactions for every customer that has more than one disputed transaction (6 points)

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

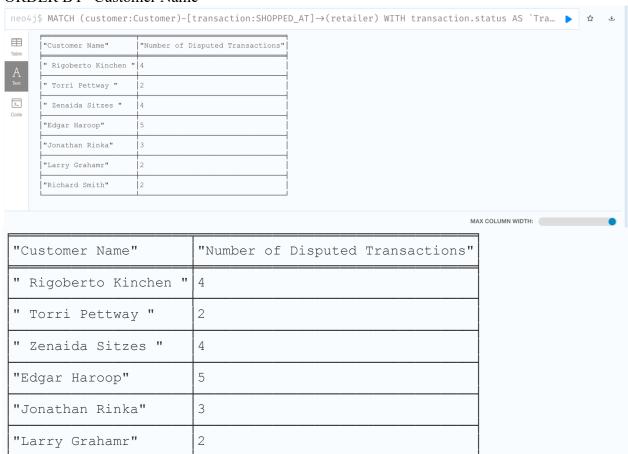
2

WITH transaction.status AS 'Transaction Status', customer.name AS 'Customer Name', count(*) AS 'Number of Disputed Transactions'

WHERE 'Transaction Status' = "Disputed" AND 'Number of Disputed Transactions' > 1 RETURN 'Customer Name', 'Number of Disputed Transactions'

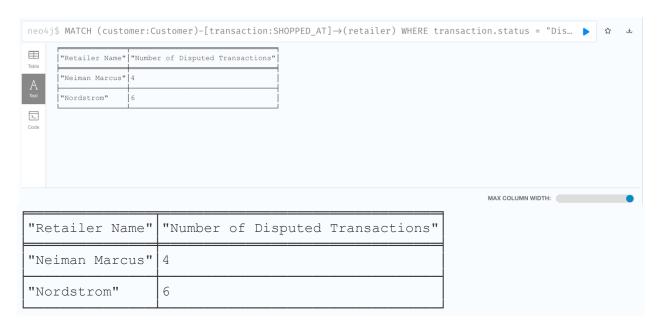
ORDER BY 'Customer Name'

"Richard Smith"



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. (6 points)

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer)
WHERE transaction.status = "Disputed" AND retailer.street CONTAINS "LaSalle"
RETURN retailer.name AS `Retailer Name`, COUNT(*) AS `Number of Disputed Transactions`
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 (6 points)

MATCH (customer:Customer)-[transaction:SHOPPED_AT]->(retailer)<[transaction2:WORKS_AT]-(employee:Employee)
WITH transaction.status AS `Transaction Status`, employee.name AS `Employee Name`,
COUNT(DISTINCT retailer.name) AS `# Retailers with Disputed Transactions`
WHERE `Transaction Status` = "Disputed" AND `# Retailers with Disputed Transactions` > 1
RETURN `Employee Name`, `# Retailers with Disputed Transactions`

