✓ Congratulations! You passed!

TO PASS 76% or higher

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Week 5 Graded Quiz using Teradata

	T SUBMISSION GRADE	
	ave you completed the week 5 Teradata practice exercises guide? nswer Yes or No. Yes No	1/1 point
	✓ Correct Great! You are ready to take this quiz.	
2. H	ow many distinct skus have the brand "Polo fas", and are either size "XXL" or "black" in color? 27,271 84 13,623 5,224	1/1 point
	Correct There are several possible queries that would arrive at the right answer, one of which is: SELECT COUNT(DISTINCT sku) FROM skuinfo WHERE brand = 'polo fas' AND (color = 'black' OR size = 'XXL');	
	nere was one store in the database which had only 11 days in one of its months (in other words, that store/month/year ombination only contained 11 days of transaction data). In what city and state was this store located? Atlanta, GA Tulsa, OK Richmond, VA Little Rock, AR	1/1 point
	There are several possible queries that would arrive at the right answer, one of which is: SELECT DISTINCT t.store, s.city, s.state FROM trnsact t JOIN strinfo s ON t.store=s.store WHERE t.store IN (SELECT days_in_month.store FROM(SELECT EXTRACT(YEAR from saledate) AS sales_year, EXTRACT(MONTH from saledate) AS sales_month, store, COUNT (DISTINCT saledate) as numdays FROM trnsact GROUP BY sales_year, sales_month, store	

HAVING numdays=11) as days_in_month)

		O 4	737469	
✓ Correct		O 26	537537	
There are several possible queries that would arrive at the right answer, one of which is: SELECT sku, sum(case when extract(month from saledate)=11 then amt end) as November, sum(case when extract(month from saledate)=12 then amt end) as December. December-November AS sales_bump FROM trinsact WHERE stype=P GROUP BY sku ORDER BY sales_bump DESC; 5. What vendor has the greatest number of distinct skus in the transaction table that do not exist in the sketinfo table? (Remember that vendors are listed as distinct numbers in our data sed). 3313116 \$5715232 \$511283 \$511283 \$5114659 Correct There are several possible queries that would arrive at the right answer, one of which is: \$ELECT count(DISTINCT Lisku) as num_skus_si.vendor FROM trinsact t LEFT (DIN skstinfo s ON Lisku=sisku AND Listoresistore JON skuinfo si ON Lisku-siskus WHERE sisku SNULL GROUP BY si vendor ORDER BY num_skus DESC; 6. What is the brand of the sku with the greatest standard deviation in sprice? Only examine skus which have been part of over 100 transactions. Clinique Phat Sch Vanity F Polo Fas Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: \$ELECT DISTINCT top10skus.sku, top10skus.sprice_stdev. top10skus.num_transactions, slayle, sl.color, sliste,		O 69	966816	
There are several possible queries that would arrive at the right answer, one of which is: SELECT sku, sum(case when extract(month from saledate)=11 then amit end) as November, sum(case when extract(month from saledate)=12 then amit end) as December, December-November AS sales_bump FROM trinsact WHERE stype=P GROUP BY sku ORDER BY sales_bump DESC; 5. What wendor has the greatest number of distinct skus in the transaction table that do not exist in the skatinfo table? (Remember that vendors are listed as distinct numbers in our data set). 3313116 © 575232 5511283 9514659 Verrect There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, silvendor FROM trinsact t LEFT JOIN skstinfo s ON t.sku=skii AND t.store=s.store JOIN skstinfo si ON t.sku=ski		39	049538	
Remember that vendors are listed as distinct numbers in our data set). 3313116 5715232 5511283 9514659 Correct There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, si vendor FROM trnsact t LEFT JOIN skstinfo s ON t.sku=s.sku AND t.store=s.store JOIN skuinfo si ON t.sku=si.sku WHERE s.sku IS NULL GROUP BY si vendor ORDER BY num_skus DESC; 6. What is the brand of the sku with the greatest standard deviation in sprice? Only examine skus which have been part of over 100 transactions. Clinique Hart Sch Vanity F Polo Fas Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		~	There are several possible queries that would arrive at the right answer, one of which is: SELECT sku, sum(case when extract(month from saledate)=11 then amt end) as November, sum(case when extract(month from saledate)=12 then amt end) as December, December-November AS sales_bump FROM trnsact WHERE stype='P' GROUP BY sku	
 5511283 9514659 ✓ correct There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, si.vendor FROM trnsact t LEFT JOIN skstinfo s ON t.sku=s.sku AND t.store=s.store JOIN skuinfo si ON t.sku=si.sku WHERE s.sku IS NULL GROUP BY si.vendor ORDER BY num_skus DESC; 6. What is the brand of the sku with the greatest standard deviation in sprice? Only examine skus which have been part of over 100 transactions. Clinique Hart Sch Vanity F Polo Fas ✓ correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,	5.	(Reme	mber that vendors are listed as distinct numbers in our data set). 313116	1/1 point
 ✓ correct There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, si.vendor		_		
There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, si.vendor FROM trnsact t LEFT JOIN skstinfo s ON t.sku=s.sku AND t.store=s.store JOIN skuinfo si ON t.sku=si.sku WHERE s.sku IS NULL GROUP BY si.vendor ORDER BY num_skus DESC; 6. What is the brand of the sku with the greatest standard deviation in sprice? Only examine skus which have been part of over 100 transactions. Clinique Hart Sch Vanity F Polo Fas Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		_		
over 100 transactions. ○ Clinique ⑥ Hart Sch ○ Vanity F ○ Polo Fas ✓ Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		~	There are several possible queries that would arrive at the right answer, one of which is: SELECT count(DISTINCT t.sku) as num_skus, si.vendor FROM trnsact t LEFT JOIN skstinfo s ON t.sku=s.sku AND t.store=s.store JOIN skuinfo si ON t.sku=si.sku WHERE s.sku IS NULL GROUP BY si.vendor	
 ▶ Hart Sch ▶ Vanity F Polo Fas ✓ Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size, 	6.			1/1 point
 ✓ Vanity F Polo Fas ✓ Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size, 				
✓ Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		• н	art Sch	
Correct There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		O v.	anity F	
There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size,		O P	olo Fas	
FROM (SELECT TOP 1 sku, STDDEV_POP(sprice) AS sprice_stdev, count(sprice) AS num_transactions FROM trnsact WHERE stype='P' GROUP BY sku		~	There are several possible ways you could write the query to arrive at the correct answer, including with a subquery, such as this: SELECT DISTINCT top10skus.sku, top10skus.sprice_stdev, top10skus.num_transactions, si.style, si.color, si.size, si.packsize, si.vendor, si.brand FROM (SELECT TOP 1 sku, STDDEV_POP(sprice) AS sprice_stdev, count(sprice) AS num_transactions FROM trnsact WHERE stype='P' GROUP BY sku	
			HAVING num_transactions > 100	

ORDER BY sprice_stdev DESC)

	AS top10skus			
	JOIN skuinfo si			
	ON top10skus.sku = si.sku			
	ORDER BY top10skus.sprice_stdev DESC;			
	Or without a subquery, such as this:			
	SELECT TOP 1 t.sku, STDDEV_POP(t.sprice) AS sprice_stdev, count(t.sprice) AS num_transactions, si.style,			
	si.color, si.size, si.packsize, si.vendor, si.brand			
	FROM trnsact t JOIN skuinfo si			
	ON t.sku = si.sku			
	WHERE stype='P'			
	GROUP BY t.sku, si.style, si.color, si.size, si.packsize, si.vendor, si.brand HAVING num_transactions > 100			
	ORDER BY sprice_stdev DESC;			
_	W			
7.	What is the city and state of the store which had the greatest increase in average daily revenue (as defined in Teradata Week 5 Exercise Guide) from November to December?	1/1 point		
	Little Rock, AK			
	Metairie, LA			
	○ Tucson, AZ			
	○ McAllen, TX			
	✓ Correct			
	There are several possible queries that would arrive at the right answer, one of which is:			
	SELECT s.city, s.state, t.store,			
	SUM(case WHEN EXTRACT(MONTH from saledate) =11 then amt END) as November,			
	SUM(case WHEN EXTRACT(MONTH from saledate) =12 then amt END) as December,			
	COUNT(DISTINCT (case WHEN EXTRACT(MONTH from saledate) =11 then saledate END)) as Nov_numdays,			
	COUNT(DISTINCT (case WHEN EXTRACT(MONTH from saledate) = 12 then saledate END)) as Dec_numdays, (December/Dec_numdays)-(November/Nov_numdays) AS dip			
	FROM trnsact t JOIN strinfo s			
	ON t.store=s.store			
	WHERE t.stype='P' AND t.store EXTRACT(YEAR from t.saledate) EXTRACT(MONTH from t.saledate) IN			
	(SELECT store EXTRACT(YEAR from saledate) EXTRACT(MONTH from saledate) FROM trnsact			
	GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)			
	HAVING COUNT(DISTINCT saledate)>= 20)			
	GROUP BY s.city, s.state, t.store			
	ORDER BY dip DESC;			
8.	Compare the average daily revenue (as defined in Teradata Week 5 Exercise Guide) of the store with the highest msa_income and the store with the lowest median msa_income (according to the msa_income field). In what city and state were these two stores, and which store had a higher average daily revenue?	1/1 point		
The store with the highest median msa_income was in Spanish Fort, AL. It had a lower average daily revenue than the store with the lowest median msa_income, which was in McAllen, TX.				
	The store with the highest median msa_income was in Littleton, CO. It had a higher average daily revenue than the store with the lowest median msa_income, which was in Cincinnati, OH.			
	The store with the highest median msa_income was in McAllen, TX. It had a higher average daily revenue than the store with the lowest median msa_income, which was in Spanish Fort, AL.			
	The store with the highest median msa_income was in Cincinnati, OH. It had a lower average daily revenue than the			
	store with the lowest median msa_income, which was in Littleton, CO.			
	✓ Correct			

There are several possible queries that would arrive at the right answer, one of which is:

SELECT SUM(store_rev. tot_sales)/SUM(store_rev.numdays) AS daily_average, store_rev.msa_income as med_income, store_rev.city, store_rev.state FROM (SELECT COUNT (DISTINCT t.saledate) as numdays, EXTRACT(YEAR from t.saledate) as s_year, EXTRACT(MONTH from t.saledate) as s_month, t.store, sum(t.amt) as tot_sales, CASE when extract(year from t.saledate) = 2005 AND extract(month from t.saledate) = 8 then 'exclude' END as exclude_flag, m.msa_income, s.city, s.state FROM trnsact t JOIN store_msa m ON m.store=t.store JOIN strinfo s ON t.store=s.store WHERE t.stype = 'P' AND exclude_flag IS NULL GROUP BY s_year, s_month, t.store, m.msa_income, s.city, s.state HAVING numdays >= 20) as store_rev WHERE store_rev.msa_income IN ((SELECT MAX(msa_income) FROM store_msa),(SELECT MIN(msa_income) GROUP BY med_income, store_rev.city, store_rev.state; 9. Divide the msa_income groups up so that msa_incomes between 1 and 20,000 are labeled 'low', msa_incomes between 20,001 and 30,000 are labeled 'med-low', msa_incomes between 30,001 and 40,000 are labeled 'med-high', and msa_incomes between 40,001 and 60,000 are labeled 'high'. Which of these groups has the highest average daily revenue (as defined in Teradata Week 5 Exercise Guide) per store? O med-low O high med-high ✓ Correct There are several possible queries that would arrive at the right answer, one of which is: SELECT SUM(revenue_per_store.revenue)/SUM(numdays) AS avg_group_revenue, CASE WHEN revenue_per_store.msa_income BETWEEN 1 AND 20000 THEN 'low' WHEN revenue_per_store.msa_income BETWEEN 20001 AND 30000 THEN 'med-low' WHEN revenue_per_store.msa_income BETWEEN 30001 AND 40000 THEN 'med-high' WHEN revenue_per_store.msa_income BETWEEN 40001 AND 60000 THEN 'high' END as income group FROM (SELECT m.msa_income, t.store, CASE when extract(year from t.saledate) = 2005 AND extract(month from t.saledate) = 8 then 'exclude' END as exclude_flag, SUM(t.amt) AS revenue, COUNT(DISTINCT t.saledate) as numdays, EXTRACT(MONTH from t.saledate) as monthID FROM store_msa m JOIN trnsact t ON m.store=t.store WHERE t.stype='P' AND exclude_flag IS NULL AND t.store||EXTRACT(YEAR from t.saledate)||EXTRACT(MONTH $from\ t. saledate)\ IN\ (SELECT\ store\ |\ |\ EXTRACT(YEAR\ from\ saledate)\ |\ |\ EXTRACT(MONTH\ from\ saledate)$ FROM trnsact GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate) HAVING COUNT(DISTINCT saledate)>= 20) GROUP BY t.store, m.msa_income, monthID, exclude_flag) AS revenue_per_store GROUP BY income group ORDER BY avg_group_revenue;

10. Divide stores up so that stores with msa populations between 1 and 100,000 are labeled 'very small', stores with msa populations between 100,001 and 200,000 are labeled 'small', stores with msa populations between 200,001 and 500,000 are labeled 'med_small', stores with msa populations between 500,001 and 1,000,000 are labeled 'med_large', stores with msa populations between 1,000,001 and 5,000,000 are labeled "large", and stores with msa_population greater than 5,000,000 are labeled "very large". What is the average daily revenue (as defined in Teradata Week 5 Exercise Guide) for a store in a "very large" population msa?

1/1 point

•	\$25,452
0	56,298
0	\$16,355
0	524,341
0	There are several possible queries that would arrive at the right answer, one of which is: SELECT SUM(store_rev. tot_sales)/SUM(store_rev.numdays) AS daily_avg, CASE WHEN store_rev.msa_pop BETWEEN 1 AND 100000 THEN 'very small' WHEN store_rev.msa_pop BETWEEN 100001 AND 200000 THEN 'small' WHEN store_rev.msa_pop BETWEEN 200001 AND 500000 THEN 'med_small' WHEN store_rev.msa_pop BETWEEN 500001 AND 1000000 THEN 'med_large' WHEN store_rev.msa_pop BETWEEN 1000001 AND 5000000 THEN 'large' WHEN store_rev.msa_pop BETWEEN 1000001 AND 5000000 THEN 'large' END as pop_group FROM(SELECT COUNT (DISTINCT t.saledate) as numdays, EXTRACT(YEAR from t.saledate) as s_year, EXTRACT(MONTH from t.saledate) as s_month, t.store, sum(t.amt) AS tot_sales, CASE when extract(year from t.saledate) = 2005 AND extract(month from t.saledate) = 8 then 'exclude' END as exclude_flag, m.msa_pop FROM trnsact t JOIN store_msa m ON m.store=t.store WHERE t.stype = 'P' AND exclude_flag IS NULL
	GROUP BY s_year, s_month, t.store, m.msa_pop
	HAVING numdays >= 20) as store_rev
	GROUP BY pop_group
	ORDER BY daily_avg:
	h department in which store had the greatest percent increase in average daily sales revenue from November to mber, and what city and state was that store located in? Only examine departments whose total sales were at least

\$1,000 in both November and December.

0	Clinique department, Odessa, TX
0	Gottex department, Pine Bluff, AR
0	Jacques department, Jackson, MS
•	Louisvl department, Salina, KS

✓ Correct

There are several possible queries that would arrive at the right answer, one of which is:

 $SELECT\ s. store,\ s. city,\ s. state,\ d. deptdesc,\ sum(case\ when\ extract(month\ from\ saledate) = 11\ then\ amt\ end)\ as$ November,

 $COUNT (DISTINCT (case \ WHEN \ EXTRACT (MONTH \ from \ saledate) = '11' \ then \ saledate \ END)) \ as \ Nov_num \ days,$ sum(case when extract(month from saledate)=12 then amt end) as December,

COUNT(DISTINCT (case WHEN EXTRACT(MONTH from saledate) = '12' then saledate END)) as Dec_numdays, ((December/Dec_numdays)-(November/Nov_numdays))/(November/Nov_numdays)*100 AS bump

FROM trnsact t JOIN strinfo s

ON t.store=s.store JOIN skuinfo si

ON t.sku=si.sku JOIN deptinfo d

ON si.dept=d.dept

 $WHERE\ t. stype='P'\ and\ t. store\ |\ |\ EXTRACT(YEAR\ from\ t. saledate)\ |\ |\ EXTRACT(MONTH\ from\ t. saledate)\ |\ N\ (SELECTRACT(MONTH\ from\ t. sal$ store | | EXTRACT(YEAR from saledate) | | EXTRACT(MONTH from saledate)

GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)

HAVING COUNT(DISTINCT saledate)>= 20)

			ORDER BY bump DESC;	
			department within a particular store had the greatest decrease in average daily sales revenue from August to ber, and in what city and state was that store located?	1/1
()	Pol	omen department, Knoxville, TN	
)	Clir	nique department, Cincinnati, OH	
(Clir	nique department, Louisville, KY	
)	Pol	omen department, Greenville, SC	
	•	/	Correct There are several possible queries that would arrive at the right answer, one of which is:	
			SELECT s.city, s.state, d.deptdesc, t.store,	
			CASE when extract(year from t.saledate) = 2005 AND extract(month from t.saledate) = 8 then 'exclude'	
			END as exclude_flag,	
			SUM(case WHEN EXTRACT(MONTH from saledate) ='8' THEN amt END) as August,	
			SUM(case WHEN EXTRACT(MONTH from saledate) = 9' THEN amt END) as September,	
			COUNT(DISTINCT (case WHEN EXTRACT(MONTH from saledate) ='8' then saledate END)) as Aug_numdays, COUNT(DISTINCT (case WHEN EXTRACT(MONTH from saledate) ='9' then saledate END)) as Sept_numdays, (August/Aug_numdays)-(September/Sept_numdays) AS dip	
			FROM trnsact t JOIN strinfo s	
			ON t.store=s.store JOIN skuinfo si	
			ON t.sku=si.sku JOIN deptinfo d	
			ON si.dept=d.dept WHERE t.stype='P' AND exclude_flag IS NULL AND t.store EXTRACT(YEAR from t.saledate) EXTRACT(MONTH from t.saledate) EXTRACT(MONTH from saledate) EXTRACT(MONTH from saledate)	
			FROM trnsact	
			GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)	
			HAVING COUNT(DISTINCT saledate)>= 20)	
			GROUP BY s.city, s.state, d.deptdesc, t.store, exclude_flag	
			ORDER BY dip DESC;	
			which department, in which city and state of what store, had the greatest DECREASE in the <u>number of items sold</u> gust to September. How many fewer items did that department sell in September compared to August?	1/1
(0	The	e Clinique department in Greenville, SC sold 18,553 fewer items	
(0	The	e R Lauren department in Toledo, OH sold 12,009 fewer items	
(•	The	e Clinique department in Louisville, KY sold 13,491 fewer items	
(0	The	R Lauren department in Charlotte, NC sold 5,856 fewer items	
		,	Correct	
			There are several possible queries that could have given you the right answer, one of which is:	
			SELECT s.city, s.state, d.deptdesc, t.store,	
			CASE when extract(year from t.saledate) = 2005 AND extract(month from t.saledate) = 8 then 'exclude'	
			END as exclude_flag,	
			SUM(case WHEN EXTRACT(MONTH from saledate) = 8 then t.quantity END) as August,	
			SUM(case WHEN EXTRACT(MONTH from saledate) = 9 then t.quantity END) as September, August-September AS dip	
			FROM trnsact t JOIN strinfo s	
			ON t.store=s.store JOIN skuinfo si	
			ON t.sku=si.sku JOIN deptinfo d	

ON si.dept=d.dept

GROUP BY s.store, s.city, s.state, d.deptdesc HAVING November > 1000 AND December > 1000

	WHERE t.stype='P' AND exclude_flag IS NULL AND	
	t.store EXTRACT(YEAR from t.saledate) EXTRACT(MONTH from t.saledate) N	
	(SELECT store EXTRACT(YEAR from saledate) EXTRACT(MONTH from saledate)	
	FROM trnsact	
	GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)	
	HAVING COUNT(DISTINCT saledate)>= 20)	
	GROUP BY s.city, s.state, d.deptdesc, t.store, exclude_flag	
	ORDER BY dip DESC;	
14.	For each store, determine the month with the minimum average daily revenue (as defined in Teradata Week 5 Exercise Guide). For each of the twelve months of the year, count how many stores' minimum average daily revenue was in that month. During which month(s) did over 100 stores have their minimum average daily revenue?	1/1 point
	January and September	
	August and September	
	August only	
	January and August	
	Correct There are several possible queries that would arrive at the right answer, one of which is:	
	SELECT CASE when max_month_table.month_num = 1 then 'January' when max_month_table.month_num = 2 then 'February' when max_month_table.month_num = 3 then 'March' when max_month_table.month_num = 4 then 'April' when max_month_table.month_num = 5 then 'May' when max_month_table.month_num = 6 then 'June' when max_month_table.month_num = 7 then 'July' when max_month_table.month_num = 8 then 'August' when max_month_table.month_num = 9 then 'September' when max_month_table.month_num = 10 then 'October' when max_month_table.month_num = 11 then 'November' when max_month_table.month_num = 12 then 'December' END, COUNT(*)	
	FROM (SELECT DISTINCT extract(year from saledate) as year_num, extract(month from saledate) as month_num, CASE when extract(year from saledate) = 2005 AND extract(month from saledate) = 8 then 'exclude' END as exclude_flag, store, SUM(amt) AS tot_sales, COUNT (DISTINCT saledate) as numdays, tot_sales/numdays as dailyrev, ROW_NUMBER () over (PARTITION BY store ORDER BY dailyrev DESC) AS month_rank	
	FROM trnsact	
	$WHERE\ stype='P'\ AND\ exclude_flag\ IS\ NULL\ AND\ store\ \ EXTRACT(YEAR\ from\ saledate)\ \ EXTRACT(MONTH\ from\ saledate)\ \ \ EXTRACT(MONTH\ from\ saledate)\ \ \ EXTRACT(MONTH\ from\ saledate)\ \ \ \ \ \ \ \ \ \ \ \ \ \$	
	FROM trnsact	
	GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)	
	HAVING COUNT(DISTINCT saledate)>= 20)	
	GROUP BY store, month_num, year_num	
	HAVING numdays>=20 QUALIFY month_rank=12) as max_month_table	
	GROUP BY max_month_table.month_num	
	ORDER BY max_month_table.month_num;	
15.	Write a query that determines the month in which each store had its maximum number of sku units returned. During which month did the greatest number of stores have their maximum number of sku units returned?	1/1 point
	O December	
	December	
	January	
	O March	
	September	
	Correct There are several possible queries that would arrive at the right answer, one of which is:	
	SELECT CASE when max_month_table.month_num = 1 then 'January' when max_month_table.month_num = 2 then 'February' when max_month_table.month_num = 3 then 'March' when max_month_table.month_num = 4	

then 'February' when max_month_table.month_num = 3 then 'March' when max_month_table.month_num = 4 then 'April' when max_month_table.month_num = 5 then 'May' when max_month_table.month_num = 6 then 'June' when max_month_table.month_num = 7 then 'July' when max_month_table.month_num = 8 then 'August' when max_month_table.month_num = 9 then 'September' when max_month_table.month_num = 10

then 'October' when max_month_table.month_num = 11 then 'November' when max_month_table.month_num = 12 then 'December' END, COUNT(*)

FROM (SELECT DISTINCT extract(year from saledate) as year_num, extract(month from saledate) as month_num, CASE when extract(year from saledate) = 2004 AND extract(month from saledate) = 8 then 'exclude' END as exclude_flag, store, SUM(quantity) AS tot_returns, ROW_NUMBER () over (PARTITION BY store ORDER BY tot_returns DESC) AS month_rank

FROM trnsact

FROM trnsact

GROUP BY store, EXTRACT(YEAR from saledate), EXTRACT(MONTH from saledate)

HAVING COUNT(DISTINCT saledate)>= 20)

 ${\sf GROUP~BY~store,~month_num,~year_num~QUALIFY~month_rank=1)~as~max_month_table}$

GROUP BY max_month_table.month_num

ORDER BY max_month_table.month_num