Week 3 Graded Quiz using Teradata

Quiz, 16 questions

15/16 points (93%)

✔ **Congratulations! You passed!**

Next Item

✔ 1 / 1 points

1.

Have you completed the week 3 Teradata practice exercises guide?

○ Yes

▲

Great! You are ready to take the quiz.

○ No

✔ 1 / 1 points

2.

Week 3 Graded Quiz using Teradata

It is important that you work through the Teradata exercises for before attempting this quiz

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Given Table A (first table to be entered in the query) and Table B (second table to be entered in the query) the query result shown below is a result of what kind of join?

Table A

Order ID	Vendor ID	Order Date
1001	A	March 2, 2014
1002	B	March 4, 2014
1003	D	March 4, 2014
1004	NULL	March 5, 2014

Table B

Vendor ID	Vendor Name
A	Amazing Azaleas
B	Bogus Begonia
C	Crazy Chrysanthemums
D	Dazzling Dogwoods
E	Exotic Elderflowers

Query Output

Order ID	Vendor ID	Order Date	Vendor Name
1001	A	March 2, 2014	Amazing Azaleas
1002	B	March 4, 2014	Bogus Begonia
NULL	C	NULL	Crazy Chrysanthemums
1003	D	March 4, 2014	Dazzling Dogwoods
NULL	E	NULL	Exotic Elderflowers

● Right Join

△

Correct

○ Full Outer Join

○ Inner Join

○ Left Join

✖　　0 / 1 points

3.

On what day was Dillard's income based on total sum of purchases the greatest

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04/11/01

15/16 points (93%)

This should not be selected

Don't forget to exclude returns.

○ 05/02/28

○ 05/02/01

○ 04/12/18

✓ 1 / 1
points

4.

What is the deptdesc of the departments that have the top 3 greatest numbers of skus from the skuinfo table associated with them?

○ CLINIQUE, CELEBRT, NOB

○ BORA, C KLEIN, BLUE

○ LACOSTE, LOUISVL, LESLIE

● INVEST, POLOMEN, BRIOSO

Correct

You might have used a query like this for your answer:

SELECT TOP 3 s.dept, d.deptdesc, COUNT(DISTINCT s.sku) AS numskus

FROM skuinfo s JOIN deptinfo d

ON s.dept=d.dept

GROUP BY s.dept, d.deptdesc

ORDER BY numskus DESC

✓ 1 / 1
points

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5.
Which table contains the most distinct sku numbers?

○ deptinfo

○ transact

○ skstinfo

● skuinfo

Correct
By using COUNT(DISTINCT), you would have determined that skuinfo has 1,564,178 distinct sku numbers.

✔ 1 / 1
points

6.
How many skus are in the skstinfo table, but NOT in the skuinfo table?

● 0

Correct
You might have used a query like this for your answer:

SELECT COUNT(DISTINCT st.sku)

FROM skstinfo st LEFT JOIN skuinfo si

ON st.sku=si.sku

WHERE si.sku IS NULL

○ 90,334

○ 2388

○ 803,966

---

1 / 1

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✓ **points**

7.

What is the average amount of profit Dillard's made per day?

○ $30,222,191

⦿ $1,527,903

▲

Correct

You might have used a query like this for your answer:

SELECT SUM(amt-(cost*quantity))/ COUNT(DISTINCT saledate) AS avg_sales

FROM trnsact t JOIN skstinfo si

ON t.sku=si.sku AND t.store=si.store

WHERE stype='P';

○ $6,921,454

○ $400,893,380

✓ 1 / 1
points

8.

The store_msa table provides population statistics about the geographic location around a store. Using one query to retrieve your answer, how many MSAs are there within the state of North Carolina (abbreviated "NC"), and within these MSAs, what is the lowest population level (msa_pop) and highest income level (msa_income)?

○ 12 MSAs, lowest population of 339,511, highest income level of $56,099

⦿ 16 MSAs, lowest population of 339,511, highest income level of $36,151

▲

Correct

You might have used a query like this for your answer:

SELECT COUNT(DISTINCT MSA), MIN(msa_pop), MAX(msa_income)

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FROM store_msa

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WHERE state='NC'

15/16 points (93%)

○   12 MSAs, lowest population of 5,797, highest income level of $26,879

○   16 MSAs, lowest population of 439,117, highest income level of $26,879

✔   1 / 1
points

9.

What department (with department description), brand, style, and color brought in the greatest total amount of sales?

●   Department 800 described as Clinique, brand Clinique, style 6142, color DDML

▲

Correct

Clinique's "Dramatically Different Moisturizing Lotion" brought in the most revenue (the information that refers to that is in the "color" column). You might have used a query like this for your answer:

SELECT TOP 20 d.deptdesc, s.dept, s.brand, s.style, s.color, SUM(t.AMT) AS tot_sales

FROM trnsact t, skuinfo s, deptinfo d

WHERE t.sku=s.sku AND s.dept=d.dept AND t.stype='P'

GROUP BY d.deptdesc, s.dept, s.brand, s.style, s.color

ORDER BY tot_sales DESC

(you could also just look at the top row on its own, or use a traditional join syntax)

○   Department 2200 described as Celebrt, brand Lancome, style 1924, color resol eye

○

Department 6400 described as Blue, brand Designer, style 6 7002-9, color cdp spring

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○ Department 4407 described as Environ, brand Silver C, style TO02SCBELT-S , color silver

---

✓ 1 / 1 points

10.

How many stores have more than 180,000 distinct skus associated with them in the skstinfo table?

○ 20

◉ 12

Correct

You might have used a query like this for your answer:

SELECT COUNT(DISTINCT sku) AS numskus

FROM skstinfo

GROUP BY store

HAVING numskus > 180000;

○ 31

○ 4

✓ 1 / 1 points

11.

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15/16 points (93%)

Look at the data from all the distinct skus in the "cop" department with a federal brand and a rinse wash color. You'll see that these skus have the same values in some of the columns, meaning that they have some features in common.

In which columns do these skus have different values from one another, meaning that their features differ in the categories represented by the columns? Choose all that apply. Note that you will need more than a single correct selection to answer the question correctly.

style

Correct

You might have used a query like this for your answer:

SELECT DISTINCT s.sku, s.dept, s.style, s.color, s.size, s.vendor, s.brand, s.packsize, d.deptdesc, st.retail, st.cost

FROM skuinfo s JOIN deptinfo d

ON s.dept= d.dept JOIN skstinfo st

ON s.sku=st.sku

WHERE d.deptdesc='cop' AND s.brand='federal' AND s.color='rinse wash';

size

Correct

You might have used a query like this for your answer:

SELECT DISTINCT s.sku, s.dept, s.style, s.color, s.size, s.vendor, s.brand, s.packsize, d.deptdesc, st.retail, st.cost

FROM skuinfo s JOIN deptinfo d

ON s.dept= d.dept JOIN skstinfo st

ON s.sku=st.sku

WHERE d.deptdesc='cop' AND s.brand='federal' AND s.color='rinse wash';

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vendor

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Un-selected is correct

☐ pack size

Un-selected is correct

✔ 1 / 1 points

12.

How many skus are in the skuinfo table, but NOT in the skstinfo table?

○ 0

○ 2388

◉ 803,966

Correct

You might have used a query like this for your answer:

SELECT COUNT(DISTINCT si.sku)

FROM skstinfo st RIGHT JOIN skuinfo si

ON st.sku=si.sku

WHERE st.sku IS NULL;

OR

SELECT COUNT(DISTINCT si.sku)

FROM skuinfo si LEFT JOIN skstinfo st

ON si.sku=st.sku

WHERE st.sku IS NULL;

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90,334

15/16 points (93%)

✔ 1 / 1
points

13.

In what city and state is the store that had the greatest total sum of sales?

● Metairie, LA

Correct
You might have used a query like this for your answer:

SELECT TOP 10 t.store, s.city, s.state, SUM(amt) AS tot_sales

FROM trnsact t JOIN strinfo s

ON t.store=s.store

WHERE stype='P'

GROUP BY t.store, s.state, s.city

ORDER BY tot_sales DESC

○ Little Rock, AK

○ McAllen, TX

○ Dallas, TX

✔ 1 / 1
points

14.

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◯ Full Outer Join

◯ Right Join

⬤ Left Join
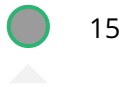
Correct
Correct!

◯ Inner Join

✔ 1 / 1 points

15.
How many states have more than 10 Dillards stores in them?

◯ 24

◯ 9

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⬤ 15

Correct

You might have used a query like this for your answer:

SELECT COUNT(*) AS numstores

FROM strinfo

GROUP BY state

HAVING numstores>10

✔ 1 / 1
points

16.

What is the suggested retail price of all the skus in the "reebok" department with the "skechers" brand and a "wht/saphire" color?

○ $39.00

○ $19.00

○ $4.00

⬤ $29.00

Correct

You might have used a query like this for your answer:

SELECT DISTINCT s.sku, s.dept, s.color, d.deptdesc, st.retail

FROM skuinfo s JOIN deptinfo d

ON s.dept= d.dept JOIN skstinfo st

ON s.sku=st.sku