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Week 2 Graded Quiz using Teradata

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1. Have you completed the week 2 Teradata practice exercises guide?

1 / 1 point

- ☒ Yes
☐ No

✓ **Correct**
Great! You are ready to take this quiz.

2. Which of the following keywords are required in any query to retrieve data from a relational database?

1 / 1 point

- ☒ FROM
☐ WHERE
☐ ORDER (BY)
☐ HAVING
☐ GROUP (BY)

✓ **Correct**
You always have to specify what data you want and the location from which those data come.

3. Which of the following database systems recognize the keyword "LIMIT" to limit the number of rows displayed from a query output?

1 / 1 point

- ☐ Teradata
☐ Both
☒ MySQL
☐ Neither

✓ **Correct**
Teradata recognizes the keyword TOP instead of LIMIT (although LIMIT and TOP do not perform identical functions; LIMIT can be used in combination with DISTINCT, while TOP cannot).

4. Which keywords could you use to determine the names of the columns contained in a table?

0 / 1 point

- ☒ COLUMNS in MySQL and SHOW in Teradata
☐ HELP in MySQL and COLUMNS in Teradata
☐ SHOW in MySQL and DESCRIBE in Teradata
☐ DESCRIBE in MySQL and HELP in Teradata

! **Incorrect**
Make sure to review your work from both the MySQL and the Teradata exercises.

5. In how many columns of the STRINFO table of the Dillard's database are NULL values *permitted*?

1 / 1 point

- ☐ 1

-
- ☐ 2
- ☒ 3
- ☐ 0



Correct

A HELP TABLE query would have shown you that the city, state, and zip columns all accept null values.

6. In how many columns of the STRINFO table of the Dillard's database are NULL values *present*?

1 / 1 point

- ☒ 0
- ☐ 2
- ☐ 3
- ☐ 1



Correct

Running queries with the "IS NULL" condition should have reported that there were no values in any column in the table with null values.

7. What was the highest original price in the Dillard's database of the item with SKU 3631365?

1 / 1 point

- ☐ \$12.00
- ☐ \$15.50
- ☐ \$20.00
- ☒ \$17.50



Correct

Here's the query you might have used to arrive at your answer:

```
SELECT orgprice, SKU
FROM trnsact
WHERE SKU='3631365'
ORDER BY orgprice DESC
```

8. What is the color of the Liz Claiborne brand item with the highest SKU # in the Dillard's database (the Liz Claiborne brand is abbreviated "LIZ CLAI" in the Dillard's database)?

1 / 1 point

- ☐ HTR GREY
- ☐ CLAY
- ☐ ORANGE
- ☒ TEAK CBO



Correct

Here's the query you might have run to arrive at your answer:

```
SELECT TOP 5 sku, style, color, size, vendor, brand
FROM skuinfo
WHERE brand like '%Liz CLAI%'
ORDER BY sku DESC
```

9. What aspect of the following query will make the query crash?

1 / 1 point

```
SELECT SKU, orgprice, sprice, amt,
```

```
FROM TRNSACT
```

```
WHERE AMT>50
```

- ☐ There is no semi-colon at the end of the query
- ☒ There is a comma after "amt" in the first line of the query
- ☐ There is no TOP statement
- ☐ "orgprice", "sprice", and "amt" are in lowercase letters in the first line of the query

✓ Correct

10. What is the sku number of the item in the Dillard's database that had the highest original sales price?

1 / 1 point

- ☐ 7298484
- ☒ 6200173
- ☐ 4420360
- ☐ 4628597

✓ Correct

Here's the query you might have run:

```
SELECT TOP 5 sku, orgprice
```

```
FROM trnsact
```

```
ORDER BY orgprice desc
```

11. According to the strinfo table, in how many states within the United States are Dillard's stores located? (HINT: the bottom of the SQL scratchpad reports the number of rows in your output)

1 / 1 point

- ☐ 48
- ☐ 33
- ☒ 31
- ☐ 20

✓ Correct

Here's the query you might have run to arrive at your answer:

```
SELECT DISTINCT state
```

```
FROM strinfo;
```

12. How many Dillard's departments start with the letter "e"

1 / 1 point

- ☐ 1
- ☒ 5
- ☐ 7
- ☐ 3

✓ Correct

Here's the query you might have run (the DISTINCT keyword and ORDER BY clause would be optional):

```
SELECT DISTINCT deptdesc
```

```
FROM dertinfo;
```

```
FROM deptinfo
```

```
WHERE deptdesc like 'e%'
```

```
ORDER BY deptdesc
```

13. What was the date of the earliest sale in the database where the sale price of the item did not equal the original price of the item, and what was the largest margin (original price minus sale price) of an item sold on that earliest date?

1 / 1 point

- ☐ 04/12/24, \$458.70
- ☒ 04/08/01, \$510.00
- ☐ 04/10/10, \$475.94
- ☐ 05/01/28, \$412.50



Correct

Here's the query you might have run (you could have used a different number for your TOP limitation):

```
SELECT TOP 100 orgprice, sprice, orgprice-sprice AS margin, saledate
```

```
FROM trnsact
```

```
WHERE orgprice<>sprice
```

```
ORDER BY saledate ASC, margin DESC
```

14. What register number made the sale with the highest original price and highest sale price between the dates of August 1, 2004 and August 10, 2004? Make sure to sort by original price first and sale price second.

1 / 1 point

- ☐ 90
- ☐ 390
- ☒ 621
- ☐ 431



Correct

Here's the query you might have run (you could have used a different number for your TOP limitation):

```
SELECT TOP 100 register, saledate, orgprice, sprice
```

```
FROM trnsact
```

```
WHERE SALEDATE BETWEEN '2004-08-01' AND '2004-08-10'
```

```
ORDER BY orgprice DESC, sprice DESC
```

15. Which of the following brand names with the word/letters "liz" in them exist in the Dillard's database? Select all that apply. Note that you will need more than a single correct selection to answer the question correctly.

1 / 1 point

- ☒ BELIZA



Correct

Here's the query you might have run:

```
SELECT DISTINCT brand
```

```
FROM skuinfo
```

```
WHERE brand like '%Liz%'
```

```
ORDER BY sku DESC
```

- ☒ CIVILIZE



Correct

Here's the query you might have run:

```
SELECT DISTINCT brand  
FROM skuinfo  
WHERE brand like '%Liz%'  
ORDER BY sku DESC
```

☐ LIZ MOOR

☐ REVITALIZE

16. What is the lowest store number of all the stores in the STORE_MSA table that are in the city of "little rock", "memphis", or "tulsa"?

1 / 1 point

☒ 504

☐ 1204

☐ 9906

☐ 204

✓ **Correct**

Here's the query you might have run:

```
SELECT store, city  
FROM store_msa  
WHERE city IN('little rock','memphis','tulsa')  
ORDER BY store
```