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DB2 10.1 Fundamentals

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QUESTION 1

A table named EMPLOYEE was created as follows:

```
CREATE TABLE employee
 (emp_id   INTEGER NOT NULL PRIMARY KEY,
  f_name   VARCHAR(30),
  l_name   VARCHAR(40),
  ssn      CHAR(9) NOT NULL)
```

Which action will prevent unauthorized users from accessing SSN data?

A. Assign the SSN column to a restricted role that only authorized users can access.

B. Only grant ACCESSCTRL authority for the SSN column to users who need to access SSN data.

C. Alter the table definition so that SSN data is stored in a separate schema that only authorized users can access.

D. Create a view for the EMPLOYEE table that does not contain the SSN column and require unauthorized users to use the view.

Correct Answer: D

QUESTION 2

Given the SQL statement: CREATE ALIAS total_sales FOR sales Which statement is valid?

A. SALES can be the name of a schema.

B. SALES can be the name of a package.

C. SALES can be the name of an existing alias.

D. SALES can be the name of a declared global temporary table.

Correct Answer: C

QUESTION 3

Which statement about BEFORE triggers is FALSE?

A. A BEFORE trigger can be used to perform validation of input data.

B. A BEFORE trigger can be used to automatically generate values for newly inserted rows.

C. A BEFORE trigger is fired for each row in the set of affected rows before the trigger event executes.

D. A BEFORE trigger is fired for each row in the set of affected rows instead of executing the trigger event.

Correct Answer: D

QUESTION 4

Which type of table should you use if you want to define specific time periods when data is valid?

A. Materialized query table

B. System-period temporal table

C. Declared global temporary table

D. Application-period temporal table

Correct Answer: D

QUESTION 5

By default, a column defined as a TIMESTAMP includes which attributes?

A. No fractional digits or time zone.

B. 6 fractional digits and no time zone.

C. 12 fractional digits plus a time zone.

D. 12 fractional digits and no time zone.

Correct Answer: B

QUESTION 6

A table named STATES has the following columns:

STATE_CD, REGION_CD, and STATE_NAME.

Which SQL statement will return the number of states in each region, ordered by number of states?

A. SELECT state_cd, COUNT(*) FROM states ORDER BY COUNT(*);

B. SELECT state_cd, COUNT(*) FROM states GROUP BY state_cd ORDER BY state_cd;

C. SELECT region_cd, COUNT(*) FROM states GROUP BY state_cd ORDER BY COUNT(*);

D. SELECT region_cd, COUNT(*) FROM states GROUP BY region_cd ORDER BY COUNT(*);

Correct Answer: D

QUESTION 7

Which type of stored procedure is not associated with an external application program?

A. A Java stored procedure.

B. A REXX stored procedure.

C. A native SQL stored procedure.

D. An external SQL stored procedure.

Correct Answer: C

QUESTION 8

Which type of constraint can be used to tell the DB2 Optimizer that a parent-child relationship exists between two tables, but that the relationship is not enforced?

A. Check

B. Unique

C. Referential

D. Informational

Correct Answer: D

QUESTION 9

The WITH CHECK OPTION clause of the CREATE VIEW statement allows you to do which of the following?

A. Define a view on one or more tables or views.

B. Revalidate all invalid objects that are referenced on a view\\'s fullselect.

C. Ensure that any inserted or updated rows conform to the definition of the view.

D. Define a view that only consists of columns that have check constraints defined.

Correct Answer: C

QUESTION 10

Which event will NOT cause a trigger to be fired?

A. Execution of an INSERT statement.

B. Execution of LOAD REPLACE operation.

C. Execution of an INSERT operation of a MERGE statement.

D. Execution of an UPDATE operation of a MERGE statement.

Correct Answer: B

QUESTION 11

An SQL function named DEPT_INFO was created as follows:

```
CREATE FUNCTION dept_info()
  RETURNS TABLE (dept_id    INTEGER,
                 dept_name  VARCHAR(20))
  LANGUAGE SQL
  READS SQL DATA
  BEGIN ATOMIC
  RETURN
    SELECT deptno, deptname
    FROM department
    WHERE deptname LIKE 'S%';
  END
```

What is the correct way to use this function in a query?

A. SELECT dept_info(dept_id, dept_name)

B. SELECT dept_id, dept_name FROM dept_info()

C. SELECT TABLE dept_id, dept_name FROM dept_info()

D. SELECT dept_id, dept_name FROM TABLE(dept_info()) AS results

Correct Answer: D

QUESTION 12

A table named SALES contains a record for every sales transaction a company processes. A user wishes to see the number of transactions that are made by each salesman. Which SQL statement will produce the desired results?

A. SELECT name, COUNT(*) AS transactions FROM sales

B. SELECT name, COUNT(DISTINCT name) AS transactions FROM sales

C. SELECT name, COUNT(*) AS transactions FROM sales GROUP BY name

D. SELECT DISTINCT name, COUNT(*) AS transactions FROM sales GROUP BY transactions

Correct Answer: C

QUESTION 13

Which database object provides an alternative way of describing data that exists in one or more base tables?

A. Alias

B. View

C. ndex

D. Sequence

Correct Answer: B

QUESTION 14

If a table named MY_TAB contains 100 rows and the following statement is executed:

```
UPDATE
    (SELECT * FROM my_tab
    ORDER BY col1 DESC
    FETCH FIRST 10 ROWS ONLY) AS temp
    SET col3 = 99;
```

How many rows will be updated?

A. 0

B. 1

C. 10

D. 99

Correct Answer: C

QUESTION 15

What is used in conjunction with a foreign key to define a relationship between two tables?

A. Primary key

B. Partitioning key

C. Check constraint

D. Unique constraint

Correct Answer: A

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