PostgreSQL PGCES-02 Practice Questions

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Question 1

Question Type: MultipleChoice

The following is the result of executing the createlang command which is installed with

PostgreSQL. $ createlang -U postgres --list mydb Procedural Languages Name |

Trusted?

---------+---------plpgsql | yes Select two correct statements from below.

Options:

A- The procedural language plpgsql is installed in the database mydb using the above command.
B- The procedural language plpgsql can be used in the database mydb.
C- plpgsql is a trusted language, so it can execute the OS commands on the server side.
D- plpgsql is a trusted language, so it can read/write OS files on the server side.
E- plpgsql is a safe language with restricted operations.

Answer:

B, E

Question 2

Question Type: MultipleChoice

Select two appropriate statements from below about the following SQL statements:

CREATE FUNCTION myfunc(INTEGER) RETURNS text LANGUAGE plpgsql STRICT AS '

DECLARE x ALIAS FOR $1; r text := ''default''; BEGIN IF x > 100 THEN SELECT INTO r data FROM mytable WHERE id = x; END IF; RETURN r; END;';

Options:

A- An error is generated unless the plpgsql language is registered in the database beforehand.
B- The execution results of SELECT myfunc(-123) differs based on the content of 'mytable'.
C- When SELECT myfunc(123) is executed an error occurs.
D- When SELECT myfunc(NULL) is executed an error occurs.
E- When SELECT myfunc (0) is executed the text 'default' is returned.

Answer:

A, E

Question 3

Question Type: MultipleChoice

Select two correct statements about the command shown below. Note: $ is the command prompt. $ vacuumdb -az

Options:

A- Recovers unused areas from all of the databases.
B- Collects statistical information related to the table content for all of the databases.
C- Processes the job equivalent of the VACUUM FULL command for all of the databases.
D- Processes the job equivalent of the VACUUM VERBOSE command for all of the databases.
E- The database can not be accessed until this command is finished.

Answer:

A, B

Question 4

Question Type: MultipleChoice

Select two suitable statements about major version upgrades of PostgreSQL from below.

Options:

A- You can use the databases of the old major version.
B- To use the data from the old version, you only need to replace the program.
C- To use the data from the old version, you need to conduct a backup and restore.
D- There is a possibility of configuration parameter changes after major version upgrades.
E- Upgrade scripts can be executed while the old version of PostgreSQL is running.

Answer:

C, D

Question 5

Question Type: MultipleChoice

A set of tables are defined as follows: t1 t2 How many rows are returned by executing the following SQL statement? SELECT t1.name FROM t1 CROSS JOIN t2;

Options:

A- 0 rows
B- 2 rows
C- 3 rows
D- 5 rows
E- 6 rows

Answer:

E

Question 6

Question Type: MultipleChoice

Given the following two table definitions, Choose one SQL statement which will cause an error. CREATE TABLE sample1 (id INTEGER, data TEXT); CREATE TABLE sample2 (id INTEGER);

Options:

A- SELECT s1.id FROM sample1 s1;
B- SELECT s1.id FROM sample1 AS s1;
C- SELECT data FROM sample1 AS s1, sample2 AS s2 WHERE s1.id = 1 AND s2.id = 2;
D- SELECT id, data FROM sample1 AS s1, sample2 AS s2 WHERE s1.id = s2.id;
E- SELECT s1.id, s1.data FROM sample1 AS s1, sample2 AS s2 WHERE s1.id = s2.id;

Answer:

D

Question 7

Question Type: MultipleChoice

Select one incorrect statement concerning the following SQL statement.

CREATE OR REPLACE VIEW sales_view AS SELECT * FROM sales_table ORDER BY sales_date DESC LIMIT 10;

Options:

A- Defines the view called 'sales_view'.
B- Replaces 'sales_view' if it already exists.
C- When you 'SELECT' the 'sales_view', it displays the first 10 records from the 'sales_table' sorted by the 'sales_date' column in descending order.
D- Some errors occur when 'SELECT * FROM sales_table' is executed after the view is defined.
E- You can confirm that the 'sales_view' has been added by querying the view called 'pg_views'.

Answer:

D

Question 8

Question Type: MultipleChoice

The table "custom" is defined below. The "id" column and "introducer" column are of

INTEGER type, and the "email" column is of TEXT type.

id | email | introducer ----+-- ----------+----------2 |

aaa@example.com | 1 3 |

bbb@example.com | 2 4 |

ccc@example.com | 2

Three SQL statements were executed in the following order:

UPDATE custom SET email = '' FROM custom c WHERE

custom.introducer = c.id; UPDATE custom SET introducer = NULL

WHERE introducer NOT IN (SELECT id FROM custom); DELETE

FROM custom WHERE id = 2 OR introducer = 2; Select the number of rows in the "custom" table after the execution.

Options:

A- 0 rows
B- 1 row
C- 2 rows
D- 3 rows
E- 4 rows

Answer:

A

Question 9

Question Type: MultipleChoice

Choose an appropriate command to check the PostgreSQL version in psql.

Options:

A- \server_version
B- SELECT version;
C- SELECT version();
D- SHOW version;
E- SHOW server;

Answer:

C

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