

mcq-db-11-mar-2023

Total points 12/25



Upskill India Jan 2023 Program.

0 of 0 points

I swear on my country (motherland), I swear on my mother tongue, I swear on my family, that I will take this test sincerely and honestly. *



(Icon created by kosonicon - Flaticon)

☒ I SWEAR.

Enter your registered email as per enrollment in Open Mentor portal or Naan Mudhalvan Portal *

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12 of 25 points

✓ 8. Which of the following is a valid syntax for using the WITH clause in an UPDATE statement? 1/1

- ☒ a) WITH temp_table AS (SELECT * FROM table1) UPDATE table2 SET column1 = temp_table.column1 FROM temp_table; ✓
- ☐ b) UPDATE table2 SET column1 = temp_table.column1 FROM temp_table WITH temp_table AS (SELECT * FROM table1);
- ☐ c) UPDATE table2 WITH temp_table AS (SELECT * FROM table1) SET column1 = temp_table.column1 FROM temp_table;

✓ 2. Which of the following statements is true about With clause? 1/1

- ☒ A) It is used to define a temporary named result set. ✓
- ☐ B) It is used to define a permanent named result set.
- ☐ C) None of the above.

✓ 5. Which of the following ALTER TABLE commands is used to add a new column to an existing table? 1/1

- ☒ A) ADD COLUMN ✓
- ☐ B) ALTER COLUMN
- ☐ C) MODIFY COLUMN
- ☐ D) None of the above.

✗ 15. What is the output of the following query in PostgreSQL?

0/1

`SELECT generate_series(1, 10, 2);`

☒ A. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10

✗

☐ B. 1, 3, 5, 7, 9

☐ C. 2, 4, 6, 8, 10

Correct answer

☒ B. 1, 3, 5, 7, 9

✓ 22. Which of the following constraints would ensure that the 'name' and 'age' columns always have a unique combination of values?

1/1

☒ A) PRIMARY KEY

✓

☐ B) NOT NULL

☐ C) UNIQUE

✓ 3. What is the syntax for using Generate Series to generate a series of integers?

1/1

☒ A) GENERATE_SERIES(start)

✓

☐ B) GENERATE_SERIES(start, stop, step)

☐ C) GENERATE_INTEGER(start, stop, step)

✗ 16. What is the output of the following query in PostgreSQL?

0/1

`SELECT generate_series('2022-01-01'::date, '2022-01-05'::date, '1 day'::interval);`

☒ A. 2022-01-01, 2022-01-02, 2022-01-03

✗

☐ b. 2022-01-01, 2022-01-02, 2022-01-03, 2022-01-04, 2022-01-05

☐ error

Correct answer

☒ b. 2022-01-01, 2022-01-02, 2022-01-03, 2022-01-04, 2022-01-05

✗ 1. Which of the following statements is true about Generate Series?

0/1

☒ A) It is used to generate a series of integers.

✗

☐ B) It is used to generate a series of dates.

☐ c) All the above

Correct answer

☒ c) All the above

✓ 24. What happens when multiple columns are specified in the ORDER BY clause and no sorting direction is specified for any of them? 1/1

☒ a. All columns are sorted in ascending order

✓

☐ b. All columns are sorted in descending order

☐ c. The sorting order is undefined

✗ 9. Which of the following statements is true regarding the WITH clause in PostgreSQL?

0/1

- ☒ a) It is used only in SELECT statements. ✗
- ☐ b) It is used only in UPDATE statements.
- ☐ c) It can be used in SELECT, UPDATE, and DELETE statements.

Correct answer

- ☒ c) It can be used in SELECT, UPDATE, and DELETE statements.

✗ 18. Which of the following constraints ensures that a column or a group of columns must contain a value that exists in another table? 0/1

- ☒ NOT NULL ✗
- ☐ FOREIGN KEY
- ☐ CHECK

Correct answer

- ☒ FOREIGN KEY

✓ 7. Which of the following constraints is used to ensure that a value in a column meets a certain condition? 1/1

- ☒ A) CHECK ✓
- ☐ B) UNIQUE
- ☐ C) NOT NULL

✓ 13. In an UPDATE query with a WITH clause, what is the role of the temporary table? 1/1

☒ A. It stores the results of the subquery used to filter rows for update ✓

☐ B. It contains the updated values for the selected rows

☐ C. It is used to join the target table with other tables

✗ 19. Which of the following constraints is used to ensure that a value in one column is greater than or equal to a value in another column? 0/1

☒ A) PRIMARY KEY ✗

☐ B) UNIQUE

☐ C) CHECK

Correct answer

☒ C) CHECK

✗ 23. Which of the following constraints would ensure that the 'id' column in the 'students' table references the 'id' column in a table named 'courses'? 0/1

☒ A) PRIMARY KEY ✗

☐ B) UNIQUE

☐ C) FOREIGN KEY

Correct answer

☒ C) FOREIGN KEY

✗ 10. Which statement is true about using the WHERE clause in a DELETE statement with a WITH clause? 0/1

- ☒ a) The WHERE clause cannot be used in conjunction with a WITH clause in a DELETE statement ✗
- ☐ b) The WHERE clause must be used with a WITH clause in a DELETE statement
- ☐ c) The WHERE clause can be used with or without a WITH clause in a DELETE statement

Correct answer

- ☒ c) The WHERE clause can be used with or without a WITH clause in a DELETE statement

✗ 14. What does the following query do in PostgreSQL?
SELECT generate_series(1, 5); 0/1

- ☒ A. It creates a new table with 5 rows ✗
- ☐ B. It generates a series of integers from 1 to 5
- ☐ C. It selects data from a table named generate_series

Correct answer

- ☒ B. It generates a series of integers from 1 to 5

✓ 20. Which of the following constraints would ensure that the 'id' column always has a unique value? 1/1

- ☒ A) PRIMARY KEY ✓
- ☐ CHECK
- ☐ NOTNULL

✓ 4.What is the purpose of the With clause?

1/1

- ☒ A) To simplify complex queries by breaking them into smaller, more manageable pieces. ✓
- ☐ B) To perform mathematical calculations.
- ☐ C) To join tables.

✓ 25.What is a composite primary key in Postgres?

1/1

- ☒ a. A primary key that consists of multiple columns. ✓
- ☐ b. A primary key that can be null.
- ☐ c. A primary key that has a default value.

✓ 12.Which of the following queries can be used to delete all rows from a table?

1/1

- ☒ A. DELETE FROM tablename ✓
- ☐ B. DELETE subquery FROM table
- ☐ c. None of the above

✗ 21. Which of the following constraints would ensure that the 'age' column only contains values between 18 and 25?

0/1

☒ A) PRIMARY KEY

✗

☐ B) CHECK

☐ C) UNIQUE

Correct answer

☒ B) CHECK

✗ 17. Which of the following queries can be used to generate a series of dates starting from the current date up to 7 days later?

0/1

☒ SELECT * FROM generate_series(now(), now() + interval '7 days', interval '1 day');

✗

☐ SELECT * FROM generate_series(now(), now() + '7 days'::interval, '1 day'::interval);

☐ SELECT * FROM generate_series(now()::date, now()::date + 7, '1 day'::interval);

☐ all the above

Correct answer

☒ all the above

✗ 6. Which of the following data types can be used for a primary key constraint?

0/1

- ☒ A) INT
- ☐ B) TEXT
- ☐ C) SERIAL
- ☐ D) All of the above.

✗

Correct answer

- ☒ C) SERIAL

✗ 11. Which statement is true about using the RETURNING clause in an UPDATE statement with a WITH clause?

0/1

- ☒ a) The RETURNING clause cannot be used in conjunction with a WITH clause in an UPDATE statement
- ☐ b) The RETURNING clause must be used with a WITH clause in an UPDATE statement
- ☐ c) The RETURNING clause can be used with or without a WITH clause in an UPDATE statement

✗

Correct answer

- ☒ c) The RETURNING clause can be used with or without a WITH clause in an UPDATE statement

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