



C2090-616^{Q&As}

DB2 11.1 Fundamentals for LUW

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QUESTION 1

Consider the following SQL statement:

```
SELECT workdept, empno, lastname, salary,  
RANK() OVER (PARTITION BY workdept ORDER BY salary) AS rank_salary  
FROM employee  
ORDER BY workdept, lastname
```

What does the RANK() OVER (PARTITION BY workdept ORDER BY salary) clause do?

- A. It ranks the rows in each WORKDEPT by SALARY.
- B. It groups all rows by WORKDEPT, then ranks all rows in the complete result set by SALARY.
- C. It generates a blank output line after each group of rows with the same WORKDEPT, and ranks these groups by SALARY.
- D. It tells the optimizer to physically partition the EMPLOYEE table by the WORKDEPT column for runtime execution, and ranks each WORKDEPT by SALARY.

Correct Answer: B

QUESTION 2

If you are already connected to a database, what does running the following statement do? Db2 CONNECT

- A. Prompts you for the database name or alias
- B. Returns information about the current server
- C. Prompts you for the authentication information
- D. Returns an error, because you provided no database or alias

Correct Answer: B

QUESTION 3

Which method for restricting data access relies on security labels and security policies to control what data a user can access?

- A. Authentication
- B. Authorities and privileges



- C. Label-based access control
- D. Row and column access control

Correct Answer: C

QUESTION 4

Which of the following authorities are sufficient for creating a database? (Choose two.)

- A. DBADM
- B. SYSADM
- C. SECADM
- D. SYSCTRL
- E. SYSMAINT

Correct Answer: BD

QUESTION 5

Below are the SQL statements a DBA is planning to execute on a database:

```
CREATE TABLE t1 (name VARCHAR (1));
```

```
INSERT INTO t1 VALUES ('A\'), ('B\'), ('C\'), ('D\');
```

```
ALTER TABLE t1 ALTER COLUMN name SET DATA TYPE INT;
```

What will be the outcome of the last statement?

- A. The statement will fail due to variable length character error
- B. The statement will fail due to an incompatible data type error
- C. The statement will execute successfully and it deletes the character data
- D. The statement will execute successfully and it internally converts the character data into ASCII numbers

Correct Answer: C

QUESTION 6

The application owners say they need to be able to query a table and previous versions of that table. Which type of table is appropriate to satisfy this requirement?



- A. Shadow Table
- B. Temporal Table
- C. Range-Partitioned Table
- D. Multidimensional Clustered Table

Correct Answer: B

QUESTION 7

Which of the following SQL statements will remove all rows from the table T1? (Choose two.)

- A. DELETE FROM t1
- B. DELETE* FROM t1
- C. DELETE* TABLE t1
- D. TRUNCATE TABLE t1 IMMEDIATE
- E. TRUNCATE TABLE t1

Correct Answer: AB

QUESTION 8

Which of the following SQL statements will update columns C1 to DB2 and C2 to 11 if C3 is 2016?

- A. UPDATE t1 c1 = `DB2, c2\` = 11
- B. UPDATE t1 SET c1 = `DB2, c2\` = 11
- C. UPDATE t1 c1 = `DB2\`, c2 = 11 WHERE c3 = 2016
- D. UPDATE t1 SET (c1, c2) = (`DB2\`, 11) = WHERE c3 = 2016

Correct Answer: C

QUESTION 9

Which of the following statements will successfully create a table that stores index data in a different table space than the table data?

- A. CREATE TABLE t1 (c1 INT, c2 INT);
- B. CREATE TABLE t1 (c1 INT, c2 INT) IN TS1 INDEX IN TS2;



- C. CREATE TABLE t1 (c1 INT, c2 INT) IN TS1 INDEX IN TS1;
- D. CREATE TABLE t1 (c1 INT, c2 INT) DATA IN TS1 INDEX IN TS2;

Correct Answer: B

QUESTION 10

You are asked to provide a recommendation for the appropriate DB2 edition for a new application. The application is characterized by long, complex queries that select a subset of columns and often perform grouping and aggregation. The initial database size is estimated at 5 TB, with growth of about 100 GB per year. Keep data size on disk to a minimum is a priority?

Which of the following editions would be best meet the described needs?

- A. DB2 Express-C
- B. DB2 Enterprise Server Edition
- C. DB2 Workgroup Server Edition
- D. DB2 Advanced Enterprise Server Edition

Correct Answer: D

QUESTION 11

Which of the following is TRUE about DB2 OLAP functions?

- A. They return scalar values and not array values
- B. There are no DB2 monitor elements specific to OLAP functions
- C. OLAP functions are not supported in a common table expression (CTE)
- D. OLAP aggregation functions are not supported with column organized tables

Correct Answer: C

QUESTION 12

BLU Acceleration is included in which of the following edition of DB2 LUW? (Choose two.)

- A. Direct Standard Edition
- B. Enterprise Server Edition



- C. Workgroup Server Edition
- D. DB2 Direct Advanced Edition
- E. Advanced Enterprise Server Edition

Correct Answer: BC

QUESTION 13

Which of the following statements regarding locking is TRUE?

- A. The same lock modes apply to tables, rows, or blocks
- B. Lock conversion can take place implicitly as a query executes
- C. Changing the mode of a lock that is already held is called lock escalation
- D. Lock conversion is not necessary if an X lock is required and an S or U lock is currently held

Correct Answer: B

QUESTION 14

The following statements are executed:

```
GRANT CREATETAB, DATAACCESS, ON DATABASE TO ROLE role A;
```

```
GRANT CREATETAB, BINDADD ON DATABASE TO ROLE role B;
```

```
GRANT ROLE role A to USER db2inst3;
```

```
GRANT ROLE role B to USER db2inst3;
```

Which of the following is TRUE if this statement is executed later?

```
REVOKE ROLE roleB FROM USER db2inst3;
```

- A. This statement will succeed and DB2 INST3 will still be able to create in the database.
- B. This statement will succeed and DB2 INST3 only retains DATAACCESS privileges on the database.
- C. This statement will fail as CREATETAB is granted to two different roles and must be revoked at the same time.
- D. This statement will succeed with a warning since CREATETAB cannot be totally revoked. DB2INST3 will retain both roles.

Correct Answer: D



QUESTION 15

A portion of your database tables are used for OLTP-type processing and another portion are used for more analytical queries. There is a small subset of tables that are used in both of these usage patterns. What could you use to derive the analytic improvements offered by BLU technology in such an environment?

- A. Shadow tables
- B. Range-partitioned tables
- C. Materialized query tables
- D. Multidimensional clustering tables

Correct Answer: A

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