

## Exam Questions C2090-616

DB2 11.1 Fundamentals for LUW

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#### NEW QUESTION 1

Which edition of DB2 LUW has been discontinued in v11.1?

- A. DB2 Developer Edition
- B. DB2 Express Server Edition
- C. DB2 Enterprise Server Edition
- D. DB2 Connect Enterprise Server Edition

**Answer:** B

#### NEW QUESTION 2

Which constraint can be used to ensure that identical values are never stored in a set of columns in a table?

- A. NOT NULL
- B. Foreign key
- C. Primary key
- D. Informational constraint

**Answer:** C

#### NEW QUESTION 3

What of the following is TRUE about triggers?

- A. Triggers are activated by INSERT, UPDATE, DELETE and SELECT statements
- B. Triggers can be used to perform data manipulation operations against complex views
- C. Triggers can only be used to execute logic before or after appropriate SQL statements
- D. Only one trigger for a particular event and activation time can be created for a particular table

**Answer:** A

#### NEW QUESTION 4

Which of the following set operators can be used to find all rows that are common in 2 queries?

- A. UNION
- B. UNION ALL
- C. EXCEPT ALL
- D. INTERSECT ALL

**Answer:** B

#### NEW QUESTION 5

Which of the following commands can undo the work done by the current unit of work executing UPDATE statements on a table?

- A. COMMIT
- B. SAVEPOINT
- C. ROLLBACK WORK
- D. UPDATE TERMINATE

**Answer:** C

#### NEW QUESTION 6

Which of the following compatibility features is always active, regardless of the settings for the DB2\_COMPATIBILITY\_VECTOR registry variable or the SQL\_COMPAT global variable?

- A. Implicit casting
- B. Double-dot notation
- C. Use of bitmap indexes
- D. Selecting from the DUAL table

**Answer:** D

#### NEW QUESTION 7

Which three facilities are used to control authorization in DB2?

- A. privileges, db2ssh, LBAC credentials
- B. privileges, authority levels, certificates
- C. db2ssh, trusted contexts, authority levels
- D. privileges, authority levels, LBAC credentials

**Answer:** D

#### NEW QUESTION 8

What is the purpose of a role?

- A. To define exactly what a specific user can and cannot do within a particular database once they have been authenticated
- B. To group a collection of users together so that they can be simultaneously granted and revoked specific authorities and privileges
- C. To group a collection of privileges together so that they can be simultaneously granted to and revoked from multiple users, groups, or other roles
- D. To assign one or more users that need to run local DB2 applications and tools on a particular server to the DB2ADMNS or the DB2USERS group

**Answer:** A

#### NEW QUESTION 9

Shadow tables are a special kind of Materialized Query Table, but what makes them different? (Choose two.)

- A. Shadow tables cannot be queried directly
- B. Shadow tables do not store their data on disk
- C. Shadow tables must be organized by column
- D. Shadow tables must be maintained by replication
- E. You cannot join shadow tables to other kinds of tables

**Answer:** CD

#### NEW QUESTION 10

The current user wants to produce a list of all user privileges she has been granted. Which table or view can be queried to produce the desired result?

- A. SYSCAT.DBAUTH
- B. SYSIBMADM.GRANTS
- C. SYSIBMADM.PRIVILEGES
- D. SYSCAT.USER\_TAB\_PRIVS

**Answer:** A

#### NEW QUESTION 10

Application 1 executes the following statements:

```
INSERT INTO TAB1 (NAME,AMOUNT) VALUES ('John',100); COMMIT;
```

```
UPDATE TAB1 SET AMOUNT=90 WHERE NAME='John';
```

After a few seconds, application 2 executes the following query: `SELECT AMOUNT FROM TAB1 WHERE NAME='John'`

Assuming the Currently Committed (CUR\_COMMIT) configuration parameter is enabled, which of the following is TRUE?

- A. Application 2 will read the amount of 90
- B. Application 2 will read the amount of 100
- C. Application 2 will receive a warning message
- D. Application 2 will enter lock-wait state until application 1 commits or the locktimeout value expires

**Answer:** B

#### NEW QUESTION 12

What is the maximum precision for the DECIMAL data type?

- A. 7
- B. 15
- C. 23
- D. 31

**Answer:** D

**Explanation:** A decimal number is a packed decimal number with an implicit decimal point. The position of the decimal point is determined by the precision and the scale of the number. The scale, which is the number of digits in the fractional part of the number, cannot be negative or greater than the precision. The maximum precision is 31 digits.

Reference [https://www.ibm.com/support/knowledgecenter/en/SSEPEK\\_11.0.0/intro/src/tpc/db2z\\_numericdatatypes.html](https://www.ibm.com/support/knowledgecenter/en/SSEPEK_11.0.0/intro/src/tpc/db2z_numericdatatypes.html)

#### NEW QUESTION 15

The creator of an index or an index specification automatically receives which privilege on the index?

- A. SELECT
- B. DELETE
- C. UPDATE
- D. CONTROL

**Answer:** D

#### NEW QUESTION 19

What is the maximum length allowed for a VARCHAR2 data type when the VARCHAR2\_COMPAT database configuration parameter is set to ON?

- A. 32672 bytes
- B. 65344 bytes
- C. 98016 bytes
- D. 130688 bytes

**Answer:**

A

#### NEW QUESTION 24

Which of the following is fundamental to BLU acceleration?

- A. pureScale
- B. Column organized tables
- C. Multidimensional clustering
- D. Purchasing new hardware that is compatible with BLU acceleration and compression

**Answer:** B

#### NEW QUESTION 28

Which of the following statements about stored procedures is TRUE?

- A. Stored procedures can be written in SQL PL, but not in the PL/SQL dialect
- B. The CREATE SOURCED PROCEDURE statement defines a procedure that is based on another procedure in a federated database
- C. There are three types of stored procedures which can be deployed: SQL procedures, external procedures, and sourced procedures
- D. Two identically-named procedures within a schema are permitted to have exactly the same number of parameters, but the parameters must have different data types assigned

**Answer:** B

#### NEW QUESTION 29

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

**Answer:** A

#### NEW QUESTION 30

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

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

**Answer:** BD

#### NEW QUESTION 31

Which DB2 object is associated with PREVIOUS VALUE and NEXT VALUE expressions?

- A. Sequence
- B. Row Identifier
- C. Identity Column
- D. Insert time clustering table

**Answer:** A

#### NEW QUESTION 35

Which of the following statements describe super exclusive (Z) locks for a table? (Choose two.)

- A. No other applications can access the table
- B. Only uncommitted read (UR) applications can access the table
- C. The lock owner and other applications can read, but not update, the locked table
- D. The lock owner can both read and update dat
- E. Other applications can read the table
- F. This lock is acquired under certain conditions, such as when the table is altered or dropped or an index on the table is dropped

**Answer:** AE

#### NEW QUESTION 40

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

**Answer:** BC

#### NEW QUESTION 44

Consider the following sequence of events:

Eddie grants SELECT WITH GRANT OPTION privilege to Mike. Mike grants SELECT privilege to Jeff.

Eddie revokes SELECT privilege from Mike. What will happen to Jeff's SELECT privilege?

- A. Jeff's SELECT privilege will be revoked
- B. Jeff's SELECT privilege will be retained
- C. Jeff's SELECT privilege will be retained only if he has ACCESSCTRL authority
- D. Jeff's SELECT privilege will be retained only if Eddie has ACCESSCTRL authority

**Answer:** A

#### NEW QUESTION 49

Which of the following is designed for continuous availability, increased throughput of many concurrent short queries, and easy scalability?

- A. DB2 HADR
- B. DB2 pureScale
- C. DB2 Express-C
- D. DS2 Database Partitioning Feature

**Answer:** B

#### NEW QUESTION 52

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 runtimeexecution, and ranks each WORKDEPT by SALARY

**Answer:** B

#### NEW QUESTION 56

DB2 offers compatibility features through the DB2\_COMPATIBILITY\_VECTOR registry variable or the SQL\_COMPAT global variable that improve application compatibility with which of the following? (Choose two.)

- A. Oracle
- B. Sybase
- C. Netezza
- D. MongoDB
- E. Microsoft SQL Server

**Answer:** AB

#### NEW QUESTION 57

Your manager has asked you to review cloud service offering for hosting a DB2 database. As the DBA, you still want to maintain control over all maintenance and patching operations. Which of the following Cloud offerings best suits your needs?

- A. Cloudant
- B. DB2 on Cloud
- C. dashDB for analytics
- D. dashDB for transactions

**Answer:** B

#### NEW QUESTION 59

The DDL statement is used to create table T1: CREATE TABLE t1 (  
c1 INTEGER,  
c2 INTEGER NOT NULL, c1 DECIMAL(11,2),  
c4 TIMESTAMP WITH DEFAULT CURRENT TIMESTAMP  
)

Which of the following INSERT statements will execute successfully?

- A. INSERT INTO t1 VALUES (100)
- B. INSERT INTO t1 (c1, c2) VALUES (100)
- C. INSERT INTO t1 (c1, c3) VALUES ('100', '100.00')
- D. INSERT INTO t1 (c2, c3) VALUES (100, 100.00), (101, 101)

**Answer:** B

#### NEW QUESTION 60

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

**Answer:** B

#### NEW QUESTION 62

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

**Answer:** B

#### NEW QUESTION 64

Which of the following isolation levels most reduces concurrency and is most likely to cause lock escalations?

- A. Read Stability
- B. Cursor Stability
- C. Repeatable Read
- D. Uncommitted Read

**Answer:** C

#### NEW QUESTION 65

How can you tell what privileges on a table or view have been granted to a user? (Choose two.)

- A. db2look with the -x option
- B. db2pd with the -auth option
- C. Query the SYSCAT.DBAUTH view
- D. Query the SYSCAT.TABLES view
- E. Query the SYSCAT.TABAUTH view

**Answer:** CE

#### NEW QUESTION 70

Which optional NPS compatibility features will be activated by executing the following? (Choose two.) SET SQL\_COMPAT='NPS'

- A. YEARSBETWEEN
- B. BINARY and VARBINARY data types
- C. Double-dot notation to specify a database object
- D. OFFSET x ROWS FETCH FIRST y ROWS ONLY
- E. TRANSLATE (char-string-exp, from-string-exp, to-string-exp)

**Answer:** CE

#### NEW QUESTION 75

Which operation typically requires a Share (S) lock?

- A. INSERT
- B. SELECT
- C. DELETE
- D. UPDATE

**Answer:** D

#### NEW QUESTION 80

Which of the following is TRUE about a COMMIT statement executed at the end of the T1 unit of work?

- A. A ROLLBACK command executed just after the COMMIT command cancels that COMMIT
- B. Save points defined during transaction T1 are released only if there is a RELEASE SAVEPOINT command executed after the COMMIT command
- C. It finishes the current T1 unit of work and a new one is initiated, however it is possible to ROLLBACK to the latest SAVEPOINT before COMMIT
- D. It finishes the current T1 unit of work and a new one is initiate
- E. All changes made by UPDATE and DELETE commands during unit of work T1 are committed

**Answer:** D

#### NEW QUESTION 83

A multi-partition database environment using BLU acceleration is designed to meet which of the following requirements? (Choose two.)



- A. Easy scalability
- B. Management of very large data sets
- C. Continuously available dataset solution
- D. Increased throughput of many concurrent short running queries
- E. Faster response time of long-running or complex queries with I/O spread across many computers

**Answer:** BE

#### NEW QUESTION 85

What is the primary use case for creating an index with the RANDOM option on a table?

- A. Maximize performance with OLTP random key queries
- B. Maximize performance when inserting into an expression based index containing the RAND() function
- C. Minimize contention due to ascending key or descending key inserts, especially in a pureScale environment
- D. Minimize hashing skew on a table in a multiple database partition environment, especially with column organized tables

**Answer:** C

#### NEW QUESTION 90

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