

## 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

What happens when you run the following statement if MYUSER holds no privileges on table MYTABLE? REVOKE SELECT ON TABLE mytable FROM USER myuser

- A. An error is returned
- B. An entry is made in SYSCAT.TABAUTH
- C. The REVOKE statement succeeds with no effect
- D. All privileges are granted to user MYUSER on MYTABLE

**Answer: C**

#### NEW QUESTION 3

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

**Answer: C**

#### 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 is TRUE about indexes on column organized tables?

- A. No indexes are allowed
- B. Indexes are only allowed on numeric columns
- C. Indexes are automatically created to enforce unique constraints
- D. An index is only allowed on the synopsis table supporting a column organized table

**Answer: A**

#### NEW QUESTION 6

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 7

What type of function is created using the following command? CREATE FUNCTION TAN (X DOUBLE)  
RETURNS DOUBLE LANGUAGE SQL CONTAINS SQL  
NO EXTERNAL ACTION DETERMINISTIC RETURN SIN(X)/COS(X)

- A. Row
- B. Table
- C. Scalar
- D. External

**Answer:**

C

#### NEW QUESTION 8

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 9

Which database object can be locked explicitly?

- A. Row
- B. View
- C. Index
- D. Table

**Answer:** D

#### NEW QUESTION 10

Which isolation level will allow application A to immediately read the committed value of a row that is exclusively locked by application B?

- A. Read Stability
- B. Cursor Stability
- C. Repeatable Read
- D. Cursor Stability with WAIT FOR OUTCOME clause

**Answer:** A

**Explanation:** Read stability (RS) locks only those rows that an application retrieves within a unit of work. It ensures that any qualifying row read during a unit of work is not changed by other application processes until the unit of work completes, and that any row changed by another application process is not read until the change is committed by that process

#### 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 15

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 17

Which locking event occurs when two applications lock rows that are needed by the other, such that neither application can continue executing?

- A. Deadlock
- B. Lock timeout
- C. Lock escalation
- D. Lock conversion

**Answer:**

A

#### NEW QUESTION 20

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 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 25

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

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

**Answer:** BD

#### NEW QUESTION 27

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 28

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

**Answer:** C

#### NEW QUESTION 32

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

**Answer:** C

#### NEW QUESTION 37

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;

**Answer:** B

#### NEW QUESTION 39

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 41

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 42

Which of the following authorities is sufficient for connecting to a database?

- A. SQLADM
- B. CONNECT
- C. DATAACCESS
- D. ACCESSCTRL

**Answer:** D

#### NEW QUESTION 47

Which operation typically requires a Share (S) lock?

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

**Answer:** D

#### NEW QUESTION 49

With HADR, which of the following configuration and topology choices provides the highest level of protection from potential loss of data in a pureScale environment?

- A. Principal standby with SYNC synchronization mode
- B. Auxiliary standby with SYNC synchronization mode
- C. Principal standby with NEARSYNC synchronization mode
- D. Auxiliary standby with SUPERSYNC synchronization mode

**Answer:** A

**Explanation:** Standby databases are synchronized with the primary database through log data that is generated on the primary and shipped to the standbys. The standbys constantly roll forward through the logs. You can choose from four different synchronization modes. In order of most to least protection, these are SYNC, NEARSYNC, ASYNC, and SUPERASYNC.

#### NEW QUESTION 51

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

**Answer:** C

#### NEW QUESTION 56

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 58**

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