



Vendor: IBM

Exam Code: 000-302

Exam Name: DB2 9 Database and Application
Fundamentals - Academic Initiative

Version: DEMO

1. Which of the following is NOT a definition of a relation?

- A. A relation may be thought of as a set of columns.
- B. Each row represents a fact that corresponds to a real-world entity or relationship
- C. Each row has a value of an item or set of items that uniquely identifies that row in the table
- D. Each column typically is called by its column name or column header or attribute name

Answer: A

2. Consider the following scenario:

Sunday: full backup

Monday: delta incremental

Tuesday: incremental

Wednesday: delta incremental

Thursday: system crashed

Which of the following options contains the correct restore order so that the database can be restored to the last stable moment before the crash.?

- A. Restore the incremental backup from Tuesday and the incremental backup from Wednesday, then roll forward the database using the transaction log files.
- B. Restore only the delta incremental backup from Wednesday.
- C. Restore the full backup from Sunday, the incremental cumulative backup from Tuesday, the incremental delta from Wednesday, then roll forward the database using the transaction log files.
- D. Restore the full backup from Sunday, the delta incremental from Wednesday, then roll forward the transaction log files.

Answer: C

3. Which of the following is NOT true about Database Management Systems?

- A. Relational Database Management Systems use Structured Query Language to interact with databases.
- B. Database Management Systems act as an interface used to communicate with databases.
- C. Applications can choose to bypass the Database Management System when accessing databases for performance reasons.
- D. DB2 is a Database Management System.

Answer: C

4. Which of the following is NOT a valid approach for storing XML documents?

- A. Shredding XML documents into tables in a RDBMS
- B. Storing XML documents in CLOB columns
- C. Inserting XML documents in an integer column
- D. Using an external XML-only database

Answer: C

5. Consider TB1 has no rows initially and that the auto commit feature is disabled. After execution of the following statements, how many rows will be inserted in TB1?

```
INSERT INTO TB1 VALUES (1, 'ABC')
INSERT INTO TB1 VALUES (2, 'DEF') COMMIT
INSERT INTO TB1 VALUES (3, 'GHI')
ROLLBACK
COMMIT
```

- A. 0
- B. 1
- C. 2
- D. 3

Answer: C

6. User X needs access to server A and B, while user Y needs access to server B, C and D, how many DB2 server licenses by PVU do they need in total assuming all users can be using all machines they have access to at the same time?

- A. 3
- B. 4
- C. 5
- D. 6

Answer: B

7. If table TABLE1 contains 50 rows, which of the following statement will only return the first five of the rows?

- A. SELECT * FROM table1 MAXROWS 5
- B. SELECT * FROM table1 RETURN FIRST 5 ROWS
- C. SELECT * FROM table1 WHILE ROW < 5
- D. SELECT * FROM table1 FETCH FIRST 5 ROWS ONLY

Answer: D

8. Which of the following statements can be used to increase in 10% the salary of all employees in department D1?

- A. UPDATE employees WHERE dept = 'D1' SET salary = salary * 1.1
- B. UPDATE employees SET salary = (salary * 1.1)
- C. UPDATE employees SET salary = salary * 1.1 WHERE dept = 'D1'
- D. UPDATE salary = salary * 1.1 ON TABLE employees WHERE dept = 'D1'

Answer: C

9. Consider the following statement. "Indexes can be created on computed columns." Is this statement:

- A. True.
- B. False.
- C. True, but only when the column data is produced by a sequence.
- D. False, but only when the column data is produced by a sequence.

Answer: A

10. Which of the following is NOT displayed by DB2 Access Plan?

- A. Properties for operators
- B. Indexes or columns
- C. Global information
- D. Authorization type

Answer: D

11. Given the following table:

USERS

ID INTEGER NOT NULL

NAME CHAR(20) NOT NULL

PASSWORD VARCHAR(30)

Which INSERT statement is NOT correct?

- A. INSERT INTO USERS VALUES (23, 'Jim', 'password')
- B. INSERT INTO USERS VALUES (23, 'Jim', NULL)
- C. INSERT INTO USERS VALUES (23, "", 'password')
- D. INSERT INTO USERS VALUES (23, NULL, 'password')

Answer: D

12. Which of the following statements is incorrect?

- A. A user can define multiple indexes for a single table in DB2.
- B. An index for a table is used to improve SQL query performance.
- C. An index can be defined on a view.
- D. None of the above.

Answer: C

13. Which of the following is NOT a valid authentication type that can be used by DB2?

- A. CLIENT
- B. CLIENT_ENCRYPT
- C. SERVER
- D. SERVER_ENCRYPT

Answer: B

14. Which of the following is true about the table below?

```
CREATE TABLE EMPLOYEE (ID INTEGER NOT NULL, NAME VARCHAR(30) NOT  
NULL, EXTENSION
```

```
INTEGER NOT NULL, MANAGER VARCHAR(30) NOT NULL
```

```
PRIMARY KEY (ID));
```

```
TERMINATE;
```

```
ID NAME EXTENSION  
MANAGER 1 John S 53412 Y 2 Susan P 54123 N 3 Jennifer L  
51234 N
```

- A. ID is a value found in the EMPLOYEE table

- B. ID, 1, 2, 3 makes up a row in the EMPLOYEE table
- C. The MANAGER domain consists only of the value Y
- D. NAME, John S, Susan P, Jennifer L makes up a column in the EMPLOYEE table

Answer: D

15. Consider the following. As the user MYUSER, you issue the following command:
CREATE ALIAS A1 for T1

What will be the result of the command?

- A. The alias DEFAULT.A1 is created for DEFAULT.T1.
- B. The alias MYUSER.A1 is created for MYUSER.T1.
- C. The alias ALIAS.A1 is created for ALIAS.T1.
- D. You get an error because your command is ambiguous, as the schema is not specified.

Answer: B

16. Which of the following is the correct syntax for using the XMLTRANSFORM SQL/XML function?

- A. UPDATE XMLTRANSFORM (XMLDOC USING XSLT) FROM XMLDATA, XMLTRANS WHERE ID = 1 and XSLID = 2;
- B. SELECT FROM XMLTRANSFORM (XMLDOC USING XSLT) FROM XMLDATA, XMLTRANS WHERE ID = 1 and XSLID = 2;
- C. SELECT INTO XMLTRANSFORM (XMLDOC USING XSLT) FROM XMLDATA, XMLTRANS WHERE ID = 1 and XSLID = 2;
- D. SELECT XMLTRANSFORM (XMLDOC USING XSLT) FROM XMLDATA, XMLTRANS WHERE ID = 1 and XSLID = 2;

Answer: D

17. Consider a table TAB1 having the following values:

TAB1

COL1 COL2

A 10 B 20 C 30 A 10 D 40 C 20

Consider the result of a given query:

COL1

A B

D

Which of the following statements would produce the given query result:

- A. SELECT COL1 FROM TAB1 ORDER BY COL1 FETCH FIRST 4 ROWS ONLY
- B. SELECT COL1 FROM TAB1 FETCH FIRST 4 ROWS ONLY
- C. SELECT DISTINCT COL1 FROM TAB1
- D. SELECT UNIQUE COL1 FROM TAB1

Answer: C

18.The link between a column or set of columns in one table that refers to the set of column in another table is?

- A. Pointer
- B. Cursor
- C. Primary key
- D. Foreign key

Answer: D

19.Which of the following commands produces a backup image from a database?

- A. START BACKUP DATABASE SAMPLE USING D:\bkp
- B. BACKUP DATABASE SAMPLE TARGET= D:\bkp
- C. BACKUP DATABASE SAMPLE TO D:\bkp
- D. START BACKUP DATABASE SAMPLE TO D:\bkp

Answer: C

20.Which of the following statements CANNOT be issued against indexes?

- A. CREATE
- B. ALTER
- C. DROP
- D. All of the above can be issued against indexes.

Answer: C