IBM

Exam C2090-543

DB2 9.7 Application Development

Version: 6.0

[Total Questions: 100]

Topic break down

Topic	No. of Questions
Topic 1: Volume A	50
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Topic 1, Volume A

Question No : 1 - (Topic 1)

Which two techniques guarantee that XML document validation will be performed? (Choose two.)

A. Implicit use of the XMLCHECK() function in the SQL statements.
B. Use triggers for INSERT and UPDATE operations with the XMLVALIDATE() function.
C. Implicit use of the XMLVALIDATE() function in SQL statements.
D. Use triggers for INSERT and UPDATE operations with the XMLSERIALIZE() function.

Answer: B,C

Question No : 2 - (Topic 1)

Click the Exhibit button.

CONNECT TO test;

CREATE TABLE parent (empno CHAR(6), firstname VARCAHR(25), lastname VARCHAR(25));

CREATE TABLE child (childno CHAR(6), firstname VARCHAR(25), lastname VARCHAR(25), empno

CHAR(6));

CREATE VIEW employee AS SELECT * FROM parent;

CREATE VIEW employee_children AS SELECT * FROM child;

COMMIT;

CONNECT RESET;

A DB2 Command Line Processor script file containing the commands and statements shown in the exhibit was executed successfully.

Which technique can be used to produce a list of all employees and their children, including employees who have no children?

A. FULL OUTER JOIN

B. LEFT or RIGHT OUTER JOIN
C. MERGE JOIN
D. INNER JOIN

Answer: B

Question No : 3 - (Topic 1)

Given the two tables shown below:

COUNTRIES

COUNTRY CONTINENT_ID

Greece 1

Germany 1

Canada 2

CONTINENTS

ID CONTINENT

1 Europe

2 North America

3 Asia

A user wants the following result:

COUNTRY CONTINENT

Greece Europe

Which query should the user submit to achieve the result?

A. SELECT * FROM countries LEFT OUTER JOIN continents ON countries.continent_id = continents.id
AND
countries.country = 'Greece';
B. SELECT * FROM countries LEFT OUTER JOIN continents ON countries.continent_id =

---

continents.id

AND

continents.id = 1 FETCH FIRST 1 ROWS ONLY;

C. SELECT countries.country, continents.continent FROM countries RIGHT OUTER JOIN continents

ON

countries.continent_id = continents.id AND continents.id = 1;

D. SELECT countries.country, continents.continent FROM countries, continents WHERE countries.continent_id =

continents.id AND country = 'Greece';

Answer: D

Question No : 4 - (Topic 1)

You have set your data types as CHAR(10), VARCHAR(20). Given the operation shown below: CHAR(10) UNION VARCHAR(20)What will be the final data type?

A. CHAR(200)
B. VARCHAR(30)
C. VARCHAR(20)
D. CHAR(30)

Answer: C

Question No : 5 - (Topic 1)

Which statement is true of an application that only uses static SQL?

A. The authorization ID of program creator is used to qualify explicitly qualified table references on a DROP statement.
B. Static SQL uses SQLDA to determine the number of rows successfully fetched on a FETCH statement.
C. The authorization ID of application creator is used to qualify implicitly qualified view references on an UPDATE statement.
D. The authorization ID of application invoker used by DB2 to perform authorization checking of an embedded OPEN statement during execution.

Answer: C

Question No : 6 - (Topic 1)

Given the two tables shown below:

TAB1

LETTER GRADE

A 80

B 70

C 60

TAB2

LETTER GPA

A 4

C 2

D 1

and the successful execution of the following query:

SELECT * FROM tab1 FULL OUTER JOIN tab2 ON tab1.letter = tab2.letter;

How many rows will be returned?

A. 2
B. 3
C. 4
D. 6

Answer: C

Question No : 7 - (Topic 1)

Click the Exhibit button.

CREATE TABLE store(sid INTEGER, info XML);

INSERT INTO store VALUES (1,

'<storeinfo sid="1">

<name>Grocery A</name>

<items>

<fruit><name>Mango</name><price>1.20</price></fruit>

<fruit><name>Apple</name><price>0.50</price></fruit>

<dessert><name>Ice Cream</name><price>6.00</price></dessert>

</items>

</storeinfo>');

Given the statements shown in the exhibit, a user executes the query shown below:

XQUERY for $store in db2-fn:xmlcolumn('STORE.INFO')/storeinfolet $items := $store/items/fruit, $count := fn:count($items) return <itemcount>$count</itemcount>

What is the output?

A. 2
B. <itemcount>2</itemcount>
C. <itemcount>1</itemcount>
D. <itemcount>$count</itemcount>

Answer: D

Question No : 8 - (Topic 1)

An application must perform maintenance on a table named EMPLOYEE.

Which SQL statement can be used to restrict all activity on the EMPLOYEE table during maintenance by the application?

A. ALTER TABLE employee LOCK SIZE TABLE
B. LOCK TABLE employee IN SHARE MODE
C. ALTER TABLE employee LOCK SIZE ROWS
D. LOCK TABLE employee IN EXCLUSIVE MODE

Answer: D

Question No : 9 - (Topic 1)

Which object can be created to group together related procedures and user-defined functions that are used for tax calculations?.

A. collection
B. module
C. routine
D. routine space

Answer: B

Question No : 10 - (Topic 1)

Using the default lock timeout and isolation level, user USER1 drops table TABLE1 however, the transaction is not committed. Subsequently, user USER2 attempts to access table TABLE1 using the default isolation level. What will occur?

A. User USER2 receives an error immediately.
B. User USER2 will wait until user USER1 issues a COMMIT or ROLLBACK statement.
C. User USER1 will receive an error.
D. User USER2 will be able to access the table successfully.

Answer: B

Question No : 11 - (Topic 1)

Which set of SQL statements must be run prior to the EXECUTE statement shown below so that the

INSERT statement can be executed successfully?

EXECUTE s1 USING :v1;

A. SET :stmt = 'INSERT INTO tab1 VALUES(?)';
PREPARE s1 FROM :stmt
B. SET :stmt = 'INSERT INTO tab1 VALUES(:v1)';
PREPARE s1 FROM :stmt;
C. SET :stmt = 'INSERT INTO tab1 VALUES(?v1)';
PREPARE s1 FROM :stmt;
D. SET :stmt = 'INSERT INTO tab1 VALUES(?)';
PREPARE s1 FROM :stmt DESCRIBE :v1;

Answer: A

Question No : 12 - (Topic 1)

The scope of a cursor is limited to _____.

A. the source program in which it is defined
B. the transaction in which the cursor is declared
C. all remotely called routines
D. applications local to the DB2 server

Answer: A

Question No : 13 - (Topic 1)

Which object can be invoked on a single invocation to return both output parameters and a result set back to the invoking application?

A. procedure
B. module
C. table function
D. method

Answer: A

Question No : 14 - (Topic 1)

Given the application shown below:

DECLARE csr1 CURSOR WITH HOLD FOR SELECT * FROM employee;

OPEN csr1;

FETCH csr1;

COMMIT;

CLOSE csr1;

How long does cursor CSR1 remain open?

A. CSR1 remains open until a COMMIT is executed.
B. CSR1 remains open until the last row is read from the result set.
C. CSR1 remains open until CLOSE csr1 is executed.
D. CSR1 remains open until a cursor with a different name is opened.

Answer: C

User USER1 successfully creates a table USER1.TABLE1 and successfully creates a package USER1.PKG1 for an application containing the SQL shown below:

EXEC SQL UPDATE user1.table1 SET col1 =:hvar1 WHERE col1 IS NULL

Assuming user USER2 can connect to the database, but has no other relevant authorities, which command must user USER1 issue to permit user USER2 to run the application?

A. GRANT ALTER ON TABLE user1.table1 TO USER user2
B. GRANT EXECUTE ON PACKAGE user1.pkg1 TO USER user2
C. GRANT UPDATE ON TABLE user1.table1 TO USER user2
D. GRANT BIND ON PACKAGE user1.pkg1 TO USER user2

Answer: B

Question No : 16 - (Topic 1)

Which three data types are supported as output of the XMLSERIALIZE function? (Choose three.)

A. CLOB
B. CHAR
C. DOUBLE
D. BLOB
E. GRAPHIC

Answer: A,B,D