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Vendor:IBM

Exam Code:C2090-545

Exam Name:DB2 9.7 SQL Procedure Developer

Version:Demo

QUESTION 1

Which object is used to return a result set from an SQL procedure?

- A. Temporary table
- B. Array
- C. Cursor
- D. Scratchpad

Correct Answer: C

QUESTION 2

Which SQL procedure declaration is coded correctly?

- A. `CREATE PROCEDURE myproc(IN salary DOUBLE, OUT commission DOUBLE) BEGIN DECLARE EXIT HANDLER FOR SQLEXCEPTION SET commission = 0; DECLARE my_cur CURSOR FOR SELECT * FROM employee; DECLARE a DOUBLE; SET a = .06 * salary; SET commission = a; END`
- B. `CREATE PROCEDURE myproc(IN salary DOUBLE, OUT commission DOUBLE) BEGIN DECLARE EXIT HANDLER FOR SQLEXCEPTION SET commission= 0; DECLARE a DOUBLE; DECLARE my_cur CURSOR FOR SELECT * FROM employee; SET a = .06 * salary; SET commission = a; END`
- C. `CREATE PROCEDURE myproc(IN salary DOUBLE, OUT commission DOUBLE) BEGIN DECLARE a DOUBLE; DECLARE EXIT HANDLER FOR SQLEXCEPTION SET commission = 0; DECLARE my_cur CURSOR FOR SELECT * FROM employee; SET a = .06 * salary; SET commission = a; END`
- D. `CREATE PROCEDURE myproc(IN salary DOUBLE, OUT commission DOUBLE) BEGIN DECLARE a DOUBLE; DECLARE my_cur CURSOR FOR SELECT * FROM employee; DECLARE EXIT HANDLER FOR SQLEXCEPTION SET commission = 0; SET a = .06 * salary; SET commission = a; END`

Correct Answer: D

QUESTION 3

Which of the following can be done while debugging a SQL procedure with IBM Data Studio?

- A. Change the order of statements being executed.
- B. Edit the procedure and continue.
- C. Change the value of any variables used.
- D. Re-execute the current statement.

Correct Answer: C

QUESTION 4

A developer needs to create a user-defined function that will return a list of employees who work in a particular department. Which statement will successfully create a function that meets this objective?

A. CREATE FUNCTION dept_employees (deptno CHAR(3)) RETURNS TABLE LANGUAGE SQL READS SQL DATA RETURN SELECT empno, lastname AS l_name, firstnme AS f_name FROM employee WHERE employee.workdept = dept_employees.deptno

B. CREATE FUNCTION dept_employees (deptno CHAR(3)) RETURNS TABLE DYNAMIC RESULT SETS 1 LANGUAGE SQL READS SQL DATA DECLARE emp_info CURSOR WITH RETURN FOR SELECT empno, lastname AS l_name, firstnme AS f_name FROM employee WHERE employee.workdept = dept_employees.deptno OPEN emp_info; RETURN

C. CREATE FUNCTION dept_employees (deptno CHAR(3)) RETURNS TABLE (empno CHAR(6), l_name VARCHAR(15), f_name VARCHAR(12)) LANGUAGE SQL READS SQL DATA RETURN SELECT empno, lastname AS l_name, firstnme AS f_name FROM employee WHERE employee.workdept = dept_employees.deptno

D. CREATE FUNCTION dept_employees (deptno CHAR(3)) RETURNS TABLE (empno CHAR(6), l_name VARCHAR(15), f_name VARCHAR(12)) DYNAMIC RESULT SETS 1 LANGUAGE SQL READS SQL DATA DECLARE emp_info CURSOR WITH RETURN FOR SELECT empno, lastname AS l_name, firstnme AS f_name FROM employee WHERE employee.workdept = dept_employees.deptno OPEN emp_info; RETURN

Correct Answer: C

QUESTION 5

Which two statements are true when working with triggers? (Choose two.)

A. Triggers can be used to enforce data integrity rules.

B. Triggers can be used with both tables and views.

C. Triggers can be altered.

D. Triggers can be used on Materialized Query Tables.

E. Triggers can be used on Created Temporary Tables.

Correct Answer: AB

QUESTION 6

Given the two SQL procedures shown below:

```
CREATE PROCEDURE s2(IN p1 INT, OUT p2 INT)
BEGIN
  SET p2 = p1 + 3;
END
```

```
CREATE PROCEDURE s1(IN v1 INT, OUT v2 INT)
BEGIN
  DECLARE v3 INT;
  SET v3 = v1 + 1;
  CALL s2(v3,v2);
  SET v2 = v2 + 2;
END
```

What is the expected output if procedure S1 is invoked with the value 1 provided for parameter V1?

- A. NULL
- B. 2
- C. 5
- D. 7

Correct Answer: D

QUESTION 7

Given the procedure shown below:

```
CREATE PROCEDURE proc ()
BEGIN ATOMIC
  INSERT INTO mytable (col1) VALUES ('a');
  INSERT INTO mytable (col1) VALUES ('b');
  SIGNAL SQLSTATE '70000';
  INSERT INTO mytable (col1) VALUES ('c');
END
```

How many rows will be inserted in the table?

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

Correct Answer: A

QUESTION 8

Which option is used when declaring a global temporary table that will keep its data across transaction boundaries?

- A. ON ROLLBACK DELETE ROWS
- B. ON ROLLBACK PRESERVE ROWS
- C. ON COMMIT PRESERVE ROWS
- D. ON COMMIT DELETE ROWS

Correct Answer: C

QUESTION 9

A trigger was created using the CREATE TRIGGER statement shown below.

```
CREATE TRIGGER incrs_comm  
AFTER INSERT ON staff  
FOR EACH ROW  
MODE DB2SQL  
UPDATE staff SET comm = comm * 1.1
```

Which statement is true about the INCRS_COMM trigger?

- A. The trigger will be executed if the STAFF table is populated by a load operation.
- B. The trigger will be executed before a row is inserted into the STAFF table.
- C. This trigger will be executed after a row is inserted into the STAFF table.
- D. This trigger will increase the COMM value of a newly inserted row by 10 percent.

Correct Answer: C

QUESTION 10

When you right-click a SQL procedure in the Data Source Explorer of IBM Data Studio and select Drop from the options menu, what happens?

- A. The SQL procedure is temporarily hidden in the Data Source Explorer view.
- B. The SQL procedure is removed from the data development project.

C. The SQL procedure is dropped from the database.

D. The SQL procedure is dropped from the database and removed from the data development project.

Correct Answer: C

QUESTION 11

Given the following statement: How many values are inserted in to the array called quantity?

```
CREATE TYPE intarray AS INTEGER ARRAY [5]

CREATE PROCEDURE foo (IN quantity INTARRAY)
BEGIN
  DECLARE i INTEGER
  SET i = 2;
  WHILE (i <= 5) DO
    INSERT INTO LIST (quantity) VALUES (quantity (i));
    SET i = i +1;
  END WHILE;
END
```

A. 1

B. 2

C. 3

D. 4

Correct Answer: D

QUESTION 12

Click the Exhibit button.

```
CREATE TABLE emp_hours
(emp_name CHAR(10),
starting    TIME,
ending     TIME);
```

```
CREATE TRIGGER trig1
BEFORE INSERT ON emp_hours
REFERENCING NEW AS n
FOR EACH ROW
MODE DB2SQL
WHEN (n.ending IS NULL)
SET n.ending = n.starting + 1 HOUR;
```

```
CREATE TRIGGER trig2
BEFORE INSERT ON emp_hours
REFERENCING NEW AS n
FOR EACH ROW
MODE DB2SQL
WHEN (n.ending IS NULL)
SET n.ending = n.starting + 1 HOUR;
```

The table and triggers in the exhibit have been created successfully, when the statements shown below are executed.

```
INSERT INTO emp_hours VALUES('KAY', '9:00', '17:00');
```

```
INSERT INTO emp_hours (emp_name, starting) VALUES('BILL', '9:00');
```

What is the result?

- A. Table EMP_HOURS will contain these rows: KAY 9:00:00 AM 5:00:00 PM BILL 9:00:00 AM 10:00:00 AM
- B. Table EMP_HOURS will contain this row: BILL 9:00:00 AM
- C. Table EMP_HOURS will contain these rows: KAY 9:00:00 AM 5:00:00 PM BILL 9:00:00 AM
- D. Table EMP_HOURS will contain this row: BILL 9:00:00 AM 17:00:00 PM

Correct Answer: A