# C2090-545 Q&As

DB2 9.7 SQL Procedure Developer

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**QUESTION 1**

Given the following statements:

```
CREATE PROCEDURE my_proc
    (IN parm1 BOOLEAN, IN parm2 BOOLEAN, OUT parm3 BOOLEAN) --------- 1
BEGIN                                                    ---------------------- 2
  IF( parm1 = TRUE)                                      ---------------------- 3
    SET parm3 = TRUE;                                    ---------------------- 4
  ELSEIF( parm1 = FALSE)                                 -------------------- 5
    SET parm3 = FALSE;                                   --------------------------- 6
  ELSEIF( parm1 AND parm2 )                              ---------------------------------- 7
    SET parm3 = TRUE;                                    ------------------------- 8
  ELSEIF(parm1 IS NULL)                                  -------------------- 9
    SET parm3 = NULL;                                    --------------------- 10
  END IF;
END
```

In the above given procedure, the statement in which line is not valid?

A. 1

B. 7

C. 9

D. 10

Correct Answer: B

**QUESTION 2**

Which two types of storedprocedures can be developed in IBM Data Studio? (Choose two.)

A. SQL

B. PHP

C. PL/SQL

D. Perl

E. Ruby

Correct Answer: AC

**QUESTION 3**

Click on the Exhibit button.

```
CREATE TYPE phonenumbers AS VARCHAR(12)
ARRAY[1000]

CREATE PROCEDURE find_customers( IN numbers_in
phonenumbers,
                                IN area_code
CHAR(3),
                                OUT numbers_out
phonenumbers)
BEGIN
  DECLARE i, j, max INTEGER;
  SET i = 1;
  SET j = 1;
  SET numbers_out = NULL;
  SET max = CARDINALITY(numbers_in);

  WHILE i <= max DO
    IF SUBSTR(numbers_in[i], 1, 3) = area_code THEN
      SET numbers_out[j] = numbers_in[i];
      SET j = j + 1;
    END IF;
    SET i = i + 1;
  END WHILE;
END
```

Referring to the exhibit, what is the OUT_PHONENUMBERS result set when the SQL procedure is invoked by the call statement shown below?

CALLfind_customers(ARRAY[?16-305-3745?

?05-416-4565?

?16-305-3746?

\\'905-414-4566\\'],

?16??)

A. [?16-305-3745??05-416-4565? ?16-305-3746\\']

B. [?16-305-3745??05-416-4565? ?16-305-3746? \\'905-414-4566\\']

C. [?05-416-4565? \\'905-414-4566\\']

D. [?16-305-3745? ?16-305-3746[?16-305-3745? ?16-305-3746?

Correct Answer: D

**QUESTION 4**

Which of the following statements is true for declared global temporary tables(DGTT)?

A. The value of the USER special register is the implicit schema name of the DGTT

B. B. The DGTT must be stored in a system temporary table space

C. SESSION is the implicit schema name of the DGTT

D. The data in a DGTT cannot be compressed.

Correct Answer: C

**QUESTION 5**

Which command can be used to optimize static SQL statements containing parameterized queries?

A. SET CURRENT EXPLAINMODE=REOPT

B. SET CURRENT EXPLAIN MODE=EXPLAIN

C. SET CURRENT EXPLAIN MODE=YES

D. SET CURRENT EXPLAIN MODE=PARAM

Correct Answer: A

**QUESTION 6**

Given the variable declaration shown below: DECLARE v_mydate DATE; Which statement will assign a value to the variable V_MYDATE?

A. VALUES (08262010) INTO v_mydate;

B. VALUES CURRENT TIMESTAMP INTO v_mydate;

C. SELECT CURRENTTIMESTAMP INTO v_mydate FROM SYSIBM.SYSDUMMY1;

D. SELECT CURRENT DATE INTO v_mydate FROM SYSIBM.SYSDUMMY1;

Correct Answer: D

**QUESTION 7**

Click the Exhibit button.

```
BEGIN ATOMIC
  DECLARE fullname CHAR(40);
  FOR vl AS
    SELECT firstnme, midinit, lastname FROM employee
    DO
      SET fullname = lastname CONCAT ','
      CONCAT firstnme CONCAT ' ' CONCAT midinit;
      INSERT INTO tnames VALUES (fullname);
  END FOR
END
```

Which statement correctly describes the result of the FOR loop shown in the exhibit?

A. FULLNAME isset to the last name of the employee, followed by a comma, the first name, a blank space, and the middle initial. Only the last value for FULLNAME is inserted into table TNAMES.

B. FULLNAME is set to the last name of the employee, followed by a comma, thefirst name, a blank space, and the middle initial. Only the first value for FULLNAME is inserted into table TNAMES.

C. FULLNAME is set to the last name of the employee, followed by a comma, the first name, a blank space, and the middle initial for each row. Each value for FULLNAME is inserted into table TNAMES in alphabetical order.

D. FULLNAME is set to the last name of the employee, followed by a comma, the first name, a blank space, and the middle initial for each row. Each value for FULLNAME is insertedinto table TNAMES.

Correct Answer: D

**QUESTION 8**

A developer needs to create a user-defined functionthat 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 WITHRETURN 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_nameVARCHAR(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 9

Given the SQL statement shown below:

```
CREATE TRIGGER hr.raise_limit
    AFTER UPDATE OF salary ON employee
    REFERENCING NEW AS n OLD AS o
    FOR EACH ROW
    WHEN (n.salary > 1.1 * o.salary)
        SIGNAL SQLSTATE '75000' SET MESSAGE_TEXT='Salary increase>10%'
```

Which privilege allows a user to execute the CREATE TRIGGER statement shown?

A. SYSCTRL authority

B. SELECT and UPDATE privilege on the EMPLOYEE table

C. SYSMAINTauthority

D. SELECT and ALTER privilege on the EMPLOYEE table

Correct Answer: B

## QUESTION 10

Which SQL procedure declaration is coded correctly?

A. CREATE PROCEDURE myproc(IN salary DOUBLE, OUT commission DOUBLE) BEGIN DECLARE EXIT HANDLER FOR SQLEXCEPTION SETcommission = 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 SETcommission = 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 11**

What is a reason to use SQL procedures in DB2?

A. to use different programming languages

B. to reduce code sharing

C. to move business logic rules into the database

D. to eliminate the need for testing

Correct Answer: C

**QUESTION 12**

Given the following SQL:

```
CREATE PROCEDURE test_proc()
BEGIN
  DECLARE i INTEGER DEFAULT 1;
  WHILE i < 10 DO
    BEGIN
      DECLARE cur CURSOR FOR
          VALUES ('NAME1','NAME2','NAME3');
      OPEN cur;
      SET index = index + 1;
    END;
  END WHILE;
END
```

Which of the following statements is true?

A. The procedure declaration requires theDYNAMIC RESULT SETS 1 clause in order to return a result set.

B. The cursor declaration requires WITH RETURN TO CLIENT clause in order to return a result set.

C. The cursor declaration requires WITH RETURN TO CALLER clause in order to return a result set.

D. The cursor declaration requires WITH RETURN clause in order to return a result set.

Correct Answer: B

**QUESTION 13**

Which declaration is not valid?

A. DECLARE var1 DECIMAL(9,2);

B. DECLARE var1 VARCHAR(20);

C. DECLARE var1 CHAR;

D. DECLARE var1 INTEGER DEFAULT;

Correct Answer: D

**QUESTION 14**

Which of the following steps are required to debug a stored procedure using IBM Data Studio?

A. Deploy the stored procedure from the data development project, debug the stored procedure.

B. Debug the stored procedure from the Data Source Explorer.

C. Deploy the stored procedure from the data development project, choose option for debugging and then debug.

D. Debug the stored procedure from the IBM Data Studio command line console.

Correct Answer: C

**QUESTION 15**

Which two DB2 commands can be performed using the ADMIN_CMD procedure? (Choose two.)

A. RUNSTATS

B. BACKUP

C. RESTORE

D. RECOVER

E. CREATE DATABASE

Correct Answer: AB