C2090-545 Q&As

DB2 9.7 SQL Procedure Developer

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QUESTION 1

Which statement can be used to declare a variable inside an SQL procedure that can be used to represent a monetary value?

A. DECLARE v_money MONEY;

B. DECLARE v_money DOUBLE;

C. DECLARE v_money DECIMAL(9,2);

D. DECLARE v_money CURRENCY;

Correct Answer: C

QUESTION 2

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 1provided for parameter V1?

A. NULL

B. 2

C. 5

D. 7

Correct Answer: D

QUESTION 3

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 4

Which CREATE TRIGGER statement is valid?

A. CREATE TRIGGER test1 NO CASCADE AFTER INSERT ON employee REFERENCING NEW AS n FOR EACH ROW MODE DB2SQL WHEN (n.bonus ISNULL) SET n.salary = n.salary + 2000

B. CREATE TRIGGER test1 NO CASCADE BEFORE INSERT ON employee REFERENCING NEW AS n FOR EACH ROW MODE DB2SQL WHEN (n.bonus IS NULL) SET n.salary = n.salary + 2000

C. CREATE TRIGGER test1 AFTER DELETE ON employee REFERENCING OLD_TABLE AS oldemployee FOR EACH STATEMENT MODE DB2SQL DELETE FROM staff WHERE id IN (SELECT empno FROM oldemployee)

D. CREATE TRIGGER test1 NO CASCASE BEFORE DELETE ON employee FOR EACH STATEMENT MODE DB2SQL DELETE FROM staff WHERE id IN (SELECT empnoFROM oldemployee)

Correct Answer: B

QUESTION 5

Click the Exhibit button.

```
CREATE FUNCTION e_degree(edlevel SMALLINT)
  RETURNS CHAR(12)
  LANGUAGE SQL
  CONTAINS SQL
  BEGIN ATOMIC
    DECLARE degree CHAR(12);
    IF edlevel= 12 THEN
      SET degree = 'HIGH SCHOOL';
    ELSEIF edlevel = 14 THEN
      SET degree = 'ASSOCIATE';
    ELSEIF edlevel = 16 THEN
      SET degree = 'BACHELOR';
    ELSEIF edlevel = 18 THEN
      SET degree = 'MASTER';
    ELSEIF edlevel = 20 THEN
SET degree = 'DOCTORATE';
    ELSE
SET degree = 'UNKNOWN';
    END IF;
    RETURN degree;
  END
```

An SQL function was created using the statement shown in the exhibit. Assume this function is invoked by executing the SQL statementshown below:

VALUES e_degree(SMALLINT(17))

What will be returned?

A. SQL0440N No authorized routine named "E_DEGREE"of type "FUNCTION" having compatible arguments was found. SQLSTATE=42884

B. 1

BACHELOR

1 record(s) selected.

C. 1

MASTER

1 record(s) selected.

D. 1 UNKNOWN

1 record(s) selected.

Correct Answer: D

QUESTION 6

A developer wants to code the following statements in an SQL procedure: What order must thesestatements be coded in?

```
SET salary = salary * 1.05;                              ---- 1

DECLARE empid INTEGER;                                   ---- 2

DECLARE EXIT HANDLER FOR NOT FOUND                       ---- 3
    SET empid = 0;

DECLARE cursor1 CURSOR FOR SELECT * FROM employee;       ---- 4
```

A. 1, 2, 3, 4

B. 2, 4, 3, 1

C. 3, 4, 2, 1

D. 4, 3, 2, 1

Correct Answer: B

QUESTION 7

Which of the following statement isTRUE about a REPEAT loop?

A. The condition is checked at the end of the loop.

B. The condition is checked at the beginning of the loop.

C. A REPEAT loop behaves like a WHILE loop.

D. A REPEAT loop behaves like a FOR loop.

Correct Answer: A

QUESTION 8

Which statement is true about the NUMBER data type?

A. In DB2, theNUMBER data type has maximum precision of 31; in Oracle, it has a maximum precision of 38.

B. In DB2, the NUMBER data type is the same as in Oracle, provided the DB2 database was created in Oracle compatibility mode.

C. Declaring a column as NUMBER(10,-2)is valid both in Oracle and in DB2 provided the DB2 database was created in Oracle compatibility mode.

D. Declaring a column as NUMBER(6,8) is valid both in Oracle and in DB2 provided the DB2 database was created in Oracle compatibility mode.

Correct Answer: A

QUESTION 9

Which statement can be used to define an array of 30 names that have a maximum size of 25characters each?

A. CREATE TYPE names AS VARCHAR(25) ARRAY[30];

B. CREATE ARRAY names[30] VARCHAR(25);

C. CREATE TYPE names[30] VARCHAR(25);

D. CREATE ARRAY names AS VARCHAR(25);

Correct Answer: A

QUESTION 10

Which three optional clauses can be used whencreating an external function? (Choose three.)

A. SCRATCHPAD

B. NOTEPAD

C. LANGUAGE

D. EXTERNAL NAME

E. DATABASEINFO

Correct Answer: ACD

QUESTION 11

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 12

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 13

Which statement is TRUE about associative arrays?

A. Associative array values can be stored in table columns.

B. The index values for an associative array must be a continuous set of integer values.

C. Associative array cannot be a type of a table column.

D. The index data type for an associated array must be an integer.

Correct Answer: C

QUESTION 14

Which statement is true about the data types VARCHAR and VARCHAR2?

A. The VARCHAR data type cannot be used with a database thathas been created in Oracle compatibility mode.

B. The VARCHAR2 data type treats empty strings as null; the VARCHAR data type treats empty strings as not null with zero length.

C. The VARCHAR2 data type length is limited to 2000 bytes; the VARCHAR data type length can be up to 32K.

D. The VARCHAR2 data type cannot be used in a database that has not been created in Oracle compatibility mode.

Correct Answer: B

QUESTION 15

Given the following CREATE PROCEDURE statement:

```
CREATE PROCEDURE del_inventory (IN prod INT, OUT err_buffer VARCHAR(128))
    LANGUAGE SQL
    DYNAMIC RESULT SETS 1
    BEGIN

    DECLARE SQLSTATE CHAR(5) DEFAULT '00000';
    DECLARE SQLCODE integer DEFAULT 0;

    ap: BEGIN

    ...

        END ap
END
```

In what order must declarations occur within the lines ap: BEGIN and END ap?

A. Variables, cursors, and condition handlers

B. Cursors, variables, condition handlers

C. Condition handlers, variables, cursors

D. Condition handlers, cursors, variables

Correct Answer: A

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