## C2090-545 ${ }^{\text {azAs }}$

DB2 9.7 SQL Procedure Developer

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## QUESTION 1

Given the following DDL:

```
CREATE PROCEDURE update_salary (IN emp_num CHAR(6), IN rating SMALLINT)
LANGUAGE SQL
BEGIN
            IF (rating = 1) THEN
            UPDATE employee SET salary = salary* 1.10
                WHERE empno = emp_num;
            ELSEIF (rating = 2) THEN
            UPDATE employee SET salary = salary* 1.05
                WHERE empno = emp_num;
            ELSE
            UPDATE employee SET salary = salary * 1.03
                WHERE empno = emp_num;
            END IF;
END
```

CREATE OR REPLACE PROCEDURE update_salary
(IN emp_num CHAR(6), IN rating SMALLINT)
BEGIN
UPDATE employee SET salary = salary * 1.50
WHERE empno = emp_num;
END

If the UPDATE_SALARY is called with employee_number $=$ ? 23455 ? and rating $=2$,

What will the SALARY be?
A. salary * 1.03
B. salary * 1.05
C. salary * 1.10
D. salary * 1.50

Correct Answer: D

## QUESTION 2

Inthe given text below:

```
CREATE PROCEDURE calc_raise (IN rating INT, INOUT salary INT, OUT bonus INT)
BEGIN
    CASE
    WHEN rating >= 1 AND rating < 2 THEN
        SET SALARY = SALARY *1.10, BONUS = 1000;
    WHEN rating >= 2 AND rating < 4 THEN
        SET SALARY = SALARY*1.05, BONUS = 500;
    ELSE
            SET SALARY = SALARY*1.03, BONUS = 0;
    END CASE;
END
```

If the following statement is executed from the Command Line Processor:
CALL calc_raise(2, 5000, ?)
What will be the value of the output variable BONUS?
A. 500
B. 1000
C. 5200
D. 5500

Correct Answer: A

## QUESTION 3

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

## QUESTION 4

Using Optimistic Locking, both Transaction1 and Transaction 2 have read the same row including the RID_BIT and ROW CHANGE TOKEN values. Transaction 1 updates the row after ensuring that the row has not changed after the previous SELECT by adding a RID_BIT and ROW CHANGE TOKEN predicate to the UPDATE statement. Transaction 2 now tries to update that same row using the same predicate as transaction 1.

What will be the result?
A. The row will be found with the same ROW CHANGE TOKEN. Transaction 2 will now insert its values replacing those of transaction 1.
B. The row will be found with a different ROW CHANGE TOKEN and Transaction 2 will overwrite the values set in transaction 1.
C. The row will not be found because the value of the ROW CHANGE TOKEN has changed in regard to the UPDATE of transaction 1. Transaction 2 has to retry in order to retrieve the current data.
D. The row will not be found because the value of the ROW CHANGE TOKEN has changed in regard to the UPDATE of transaction 1. Transaction 2 will complete with an insert of a new row.

Correct Answer: C

## QUESTION 5

What is the correct order for declarations in a compound statement defined by BEGIN and END?
A. variable, cursor, handler, condition
B. variable, condition, cursor, handler
C. variable, condition, handler, cursor
D. variable, cursor, condition, handler

Correct Answer: B

