



1Z0-148^{Q&As}

Oracle Database: Advanced PL/SQL

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**QUESTION 1**

Your company's executive team voted to give a one-time special bonus, the amount of which is to be based on number of years of service. The bonus table will be updated using a procedure called

update_bonus().

Examine this PL/SQL block which shows the logic to calculate the bonus:

```
DECLARE
    emp_rec employees%ROWTYPE;
    bonus1 INTEGER;
    bonus2 INTEGER;
    service_days INTEGER;
    CURSOR c1 IS SELECT * FROM employees;
BEGIN
    OPEN c1;
    LOOP
        FETCH c1 INTO emp_rec;
        EXIT WHEN c1%NOTFOUND;
        service_days := sysdate - emp_rec.hire_date;
        bonus1 := 10000;
        bonus2 := 5000;
        IF (sysdate - emp_rec.hire_date) > 10*365 THEN
            update_bonus (emp_rec.employee_id, bonus1);
        ELSIF (sysdate - emp_rec.hire_date) > 5*365 THEN
            update_bonus (emp_rec.employee_id, bonus2);
        END IF;
    END LOOP;
    CLOSE c1;
END;
/
```

Consider these possible optimization actions:

1.

Remove the service_days calculation statement.

2.

Move bonus1 and bonus2 initializations out of the loop.

3.

Inline the update_bonus() subprogram.

4.

Call update_bonus(), passing the literal bonus amount instead of the bonus1 or bonus2 variables. Which set of optimizations will be performed if this block is compiled with PLSQL_OPTIMIZE_LEVEL = 2?



- A. 3 and 4 only
- B. 1, 2, 3, and 4
- C. 1, 2, and 4 only
- D. 1 and 2 only
- E. 1 and 3 only

Correct Answer: D

QUESTION 2

Which statement is true about internal and external LOBs?

- A. An external LOB can be loaded into an internal LOB variable using the DBMS_LOB package.
- B. A NOEXIST_DIRECTORY exception can be raised when using internal and external LOBs.
- C. Internal and external LOBs can be written using DBMS_LOB.
- D. After an exception transfers program control outside a PL/SQL block, all references to open external LOBs are lost.
- E. When using DBMS_LOB.INSTR for internal and external LOBs, DBMS_LOB.OPEN should be called for each LOB.

Correct Answer: E

Reference: https://docs.oracle.com/cd/E18283_01/appdev.112/e16760/d_lob.htm

QUESTION 3

Identify the three options which make a PL/SQL function highly suitable for using the RESULT_CACHE clause in its definition. (Choose three.)

- A. The tables which are read in the function are very frequently updated.
- B. The code in the function performs more write operations on the database when compared to the read operations.
- C. The function has complex business logic depending on more than five tables to compute its return values.
- D. The function involves highly computational logic with minimal or no database access.
- E. The value returned by the function is deterministic for a given set of input parameters.
- F. The logic in the function accesses tables or uses package variables which are modified very rarely.

Correct Answer: DEF

QUESTION 4



Which data dictionary view includes information about the parameters of procedures and functions that you can call?

- A. ALL_PROCEDURES
- B. ALL_PACKAGES
- C. ALL_ARGUMENTS
- D. ALL_OBJECTS

Correct Answer: D

Reference: <https://blogs.oracle.com/oraclemagazine/the-data-dictionary-make-views-work-for-you>

QUESTION 5

You are designing and developing a complex database application and implementing fine-grained access control using security policies.

Which statement is true with respect to attaching security policies to database objects?

- A. You can use different security policies for SELECT, INSERT, UPDATE, INDEX and DELETE statements.
- B. You can use only one security policy per database object.
- C. You implement security policies through database procedures.
- D. Column-masking policies can be applied to SELECT, INSERT, UPDATE and DELETE statements.

Correct Answer: D

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