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 two statements are true about the SQL Query Result Cache? (Choose two.)

A. It can store the query results for temporary tables.

B. It can be set at the system, session, or query level.

C. It is used only across statements in the same session.

D. Cached query results become invalid when the data accessed by the query is modified.

Correct Answer: BD

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 statement is true about the DBMS_PARALLEL_EXECUTE package?

A. DBMS_PARALLEL_EXECUTE is a SYS-owned package and can be accessed only by a user with DBA privileges.

B. To execute chunks in parallel, users must have CREATE JOB system privilege.

C. No specific system privileges are required to create or run parallel execution tasks.

D. Only DBAs can create or run parallel execution tasks.

E. Users with CREATE TASK privilege can create or run parallel execution tasks.

Correct Answer: B

Referencehttps://docs.oracle.com/cd/E11882_01/appdev.112/e40758/d_parallel_ex.htm#ARPLS67331 (security model)

QUESTION 5

Which two statements are true about the DBMS_ LOB package?

A. DBMS_LOB.COMPARE can compare parts of two LOBs.

B. DBMS_LOB.COMPARE returns the size difference of the compared LOBs.

C. DBMS_LOB.COMPARE is overloaded and can compare CLOBs with BLOBs.

D. If the destination LOB is a temporary LOB, the row must be locked before calling DBMS_LOB.CONVERTTOBLOB.

E. Before calling DBMS_LOB.CONVERTTOBLOB, both the source and destination LOB instances must exist.

Correct Answer: AE

Reference: https://docs.oracle.com/cd/B19306_01/appdev.102/b14258/d_lob.htm#BABDDFDH