



1Z0-144^{Q&As}

Oracle Database 11g: Program with PL/SQL

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**QUESTION 1**

Which two statements are true about PL/SQL exception propagation? (Choose two.)

- A. The exception reproduces itself in successive enclosing blocks until a handler is found.
- B. Exception- can propagate across the remote subprograms that are called through database links.
- C. If you declare a local exception in a subblock and a global exception in the outer block, the local declaration overrides the global exception.
- D. If you declare a local exception in a subblock and a global exception in the outer block, the global declaration overrides the local exception.

Correct Answer: AC

QUESTION 2

Examine the following DECLARE section of PL/SQL block:

```
1 DECLARE
2   v_job_type VARCHAR2 := 'TEMP';
3   v_startdate DATE := SYSDATE;
4   v_enddate DATE := v_startdate + 10;
5   c_tax_rate CONSTANT NUMBER(2) := 8.25;
6   v_valid BOOLEAN NOT NULL DEFAULT TRUE;
```

Which line in the above declarations would generate an error?

- A. Line 2
- B. Line 3
- C. Line 4
- D. Line 5
- E. Line 6

Correct Answer: A

QUESTION 3



Examine the following PL/SQL code: The serveroutput is on for the session. Which statement is true about the execution of the code?

```
DECLARE
    emp_rec employees%ROWTYPE;
BEGIN
    SELECT * INTO emp_rec FROM employees WHERE employee_id=123;
    IF SQL%NOTFOUND THEN
        DBMS_OUTPUT.PUT_LINE('Record Not found');
    ELSE
        DBMS_OUTPUT.PUT_LINE('Employee ' || emp_rec.first_name || ' ' ||
                               emp_rec.last_name || ' Salary is ' || emp_rec.salary);
    END IF;
END;
/
```

- A. It displays NULL if no employee with employee_id 123 exists.
- B. It produces the ORA-01403: no data found error if no employee with employee_id 123 exists.
- C. It displays an error because the SELECT * INTO clause cannot be used to populate the PL/SQL record type.
- D. The code executes successfully even if no employee with employee_id 123 exists and displays Record Not Found.

Correct Answer: B

QUESTION 4

Examine the following partial code:



```
CREATE OR REPLACE PACKAGE calc_income IS
    v_taxrate NUMBER := 100;
    PROCEDURE calc_tax (p_empno NUMBER);
    PROCEDURE calc_sal (p_empno NUMBER);
END calc_income;
/
CREATE OR REPLACE PACKAGE BODY calc_income IS
    PROCEDURE calc_tax (p_empno NUMBER)
        .....
    END calc_tax;
    PROCEDURE calc_sal (p_empno NUMBER)
        .....
    END calc_sal;
    BEGIN
        SELECT rate_value INTO v_taxrate
        FROM tax_rates
        WHERE year = 2009;
END calc_income;
/
```

Which statement is correct about the unnamed block of code at the end of a package body?

- A. It generates an error because all the blocks of code in a package body must be named.
- B. It generates an error because V_TAXRATE is a public variable that is already initialized in the package specification.
- C. It acts as a package initialization block that executes once, when the package is first invoked within the user session.
- D. It acts as a package initialization block that executes each time a package subprogram is invoked within the user session and refreshes the initialized variable's value.

Correct Answer: C

QUESTION 5

Which two statements are correct about the usage of parameters in functions? (Choose two.)

- A. Functions can have only in mode parameters.
- B. Functions called in SQL statements cannot have out or in out mode parameters.
- C. Functions having in, out, or in out parameters can be called only in named PL/SQL subprograms
- D. Functions having in, out, or in out parameters can be called in PL/SQL procedures and anonymous blocks.

Correct Answer: BD



QUESTION 6

Which statements are true about database triggers? (Choose two.)

- A. They can invoke only PL/SQL procedures.
- B. They can include SQL and PL/SQL or calls to Java procedures.
- C. They are implicitly fired by an event that must occur within an application.
- D. They are implicitly fired when a triggering event occurs, depending on which user is connected.

Correct Answer: BD

QUESTION 7

Which two tasks should be created as functions instead of as procedures? (Choose two.)

- A. Reference host or bind variables in a PL/SQL block of code
- B. Tasks that compute and return multiple values to the calling environment
- C. Tasks that compute a value that must be returned to the calling environment
- D. Tasks performed in SQL that increase data independence by processing complex data analysis within the Oracle server, rather than by retrieving the data into an application

Correct Answer: CD

QUESTION 8

Identify two features of obfuscation. (Choose two.)

- A. The Import and Export utilities accept wrapped files.
- B. SQL\Plus cannot process the obfuscated source files.
- C. Only the wrap utility can obfuscate multiple programs at a time.
- D. Both the DBMS_DDL package and the Wrap utility can obfuscate multiple programs at a time.
- E. The source code is visible only through the DBA_SOURCE view and not through the USER_SOURCE or ALL_SOURCE View

Correct Answer: AC

QUESTION 9

View the exhibit and examine the structure of the EMPLOYEES table.



Name	Null?	Type
-----	-----	-----
EMPLOYEE_ID	NOT NULL	NUMBER (6)
FIRST_NAME		VARCHAR2 (20)
LAST_NAME	NOT NULL	VARCHAR2 (25)
HIRE_DATE	NOT NULL	DATE
JOB_ID	NOT NULL	VARCHAR2 (10)
SALARY		NUMBER (8, 2)
COMISSION_PCT		NUMBER (2, 2)
MANAGER_ID		NUMBER (6)
DEPARTMENT_ID		NUMBER (4)

The salary of EMPLOYEE_ID 195 is 2800. You execute the following code:

```
SQL>SET SERVEROUTPUT ON
SQL>DECLARE
  2 v_sal NUMBER(10,2) := 1000;
  3 BEGIN
  4     DBMS_OUTPUT.PUT_LINE ('Salary is' || v_sal);
  5     DECLARE
  6         v_sal NUMBER;
  7         BEGIN
  8             SELECT salary INTO v_sal FROM employees WHERE employee_id = 195;
  9             DBMS_OUTPUT.PUT_LINE ('Salary is' || v_sal);
 10             DECLARE
 11                 v_sal NUMBER := 50000;
 12                 BEGIN <<b3>>
 13                     DBMS_OUTPUT.PUT_LINE ('Salary is' || v_sal);
 14                 END b3;
 15             DBMS_OUTPUT.PUT_LINE ('Salary is' || v_sal);
 16         END;
 17 END;
/
```

What is the outcome?

- A. It gives an error because only the innermost block is labeled.
- B. It gives an error because the same variable name cannot be used across all the nested blocks.
- C. It executes successfully and displays the resultant values in the following sequence- 1000, 2800 50000, 2800.
- D. It executes successfully and displays the resultant values in the following sequence: 1000, 2800, 50000, 1000.

Correct Answer: C



QUESTION 10

Which system events can be used to create triggers that fire both at DATABASE and SCHEMA levels? (Choose two.)

- A. AFTER LOGON
- B. AFTER STARTUP
- C. BEFORE SHUTDOWN
- D. AFTER SERVERERROR

Correct Answer: AD

References: http://docs.oracle.com/cd/E11882_01/appdev.112/e25519/create_trigger.htm#LNPLS2064

QUESTION 11

Which tasks must be performed during the installation of the UTL_MAIL package? (Choose two.)

- A. setting the UTL_FILE_DIR initialization parameter
- B. running the utlmail.sql and prvtmail.plb scripts
- C. setting the SMTP_OUT_SERVER initialization parameter
- D. using the CREATE DIRECTORY statement to associate an alias with an operating system directory
- E. granting read and WRITE privileges to control the type of access to files in the operating system

Correct Answer: BC

QUESTION 12

In which of the following scenarios would you recommend using associative arrays?

- A. When you want to retrieve an entire row from a table and perform calculations
- B. When you know the number of elements in advance and the elements are usually accessed sequentially
- C. When you want to create a separate lookup table with multiple entries for each row of the main table, and access it through join queries
- D. When you want to create a relatively small lookup table, where the collection can be constructed in memory each time a subprogram is invoked.

Correct Answer: D

QUESTION 13



View Exhibit 1 and examine the structure of the EMP table.

```
SQL> desc emp
```

Name	Null?	Type
-----	-----	-----
EMPNO	NOT NULL	NUMBER (4)
ENAME		VARCHAR2 (10)
JOB		VARCHAR2 (9)
MGR		NUMBER (4)
HIREDATE		DATE
SAL		NUMBER (7,2)
COMM		NUMBER (7,2)
DEPTNO		NUMBER (2)

View Exhibit 2 and examine the code of the packages that you have created.



```
CREATE OR REPLACE PACKAGE manage_emp IS
    v_empno NUMBER;
    PROCEDURE del_emp (p_empno NUMBER);
END manage_emp;
/

CREATE OR REPLACE PACKAGE BODY manage_emp IS
    PROCEDURE del_emp (p_empno NUMBER) IS
    BEGIN
        DELETE FROM emp WHERE empno=p_empno;
    END del_emp;
END manage_emp;
/

CREATE OR REPLACE PACKAGE emp_det IS
    PROCEDURE emp_chk(p_empno NUMBER);
END emp_det;
/

CREATE OR REPLACE PACKAGE BODY emp_det IS
    PROCEDURE emp_chk(p_empno NUMBER) IS
    BEGIN
        manage_emp.del_emp(p_empno);
    END emp_chk;
END emp_det;
/
```

You issue the following command: SQL> DROP PACKAGE manage_emp; What is the outcome?

- A. It drops both the MANAGE_EMP AND EMP__DET packages because of the cascading effect.
- B. It drops the MANAGE_EMP package and invalidates only the body for the EMP_DET package.
- C. It returns an error and does not drop the MAMAGE_EMP package because of the cascading effect.
- D. It drops the MANAGE_EMP package and invalidates both the specification and body for the EMP_DET package.

Correct Answer: B

QUESTION 14



View the Exhibit and examine the blocks of code that you plan to execute.

```
CREATE OR REPLACE FUNCTION dflt RETURN NUMBER IS
    cnt NUMBER :=0;
BEGIN
    cnt := cnt + 1;
    RETURN 45;
END dflt;
```

```
CREATE OR REPLACE PROCEDURE p(i IN NUMBER DEFAULT dflt()) IS
BEGIN
    DBMS_OUTPUT.PUT_LINE(i);
END p;
```

```
DECLARE
    cnt NUMBER := dflt();
BEGIN
    FOR j IN 1...3 LOOP
        p(j);
    END LOOP;
    DBMS_OUTPUT.PUT_LINE('cnt: '||cnt);
    p();
    DBMS_OUTPUT.PUT_LINE('cnt: '||cnt);
END;
```

Which statement is true about the blocks of code?

- A. All the blocks execute successfully and the anonymous block displays
- B. All the blocks execute successfully and the anonymous block displays
- C. The anonymous block gives an error because the function invocation in line 2 is not valid.
- D. The procedure creation gives an error because the function invocation in line 1 is not valid.

Correct Answer: A

QUESTION 15

Examine the following command:

```
SQL>ALTER SESSION SET plsql_warnings * '\enable: severe\',''\enable: performance\',''\ERROR: 05003\';
```

What is the implication of the above command?



- A. It issues a warning whenever ERROR: 05003 occur during compilation.
- B. It causes the compilation to fail whenever the warning ERROR.05003 occurs.
- C. It issues warnings whenever the code causes an unexpected action or wrong results performance problems.
- D. It causes the compilation to fail whenever the code gives wrong results or contains statements that are never executed.

Correct Answer: B

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