



# 1Z0-144<sup>Q&As</sup>

Oracle Database 11g: Program with PL/SQL

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**QUESTION 1**

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

```
SQL> desc emp
Name                Null?      Type
-----
EMPNO               NOT NULL   NUMBER(4)
ENAME               VARCHA2(10)
JOB                 VARCHA2(9)
MGR                 NUMBER(4)
HIREDATE            DATE
SAL                 NUMBER(7,2)
COMM                NUMBER(7,2)
DEPTNO              NUMBER(2)
```

View Exhibit 2 and examine the PL/SQL block of code.

```
SQL>SET SERVEROUTPUT ON
SQL>DECLARE
  2      TYPE EmpRecTyp IS RECORD (
  3      emp_name      VARCHAR2(30),
  4      salary        NUMBER(8,2));
  5      FUNCTION highest_salary RETURN EmpRecTyp IS
  6      emp_info EmpRecTyp;
  7      CURSOR cur_emp_cursor IS
  8      SELECT ename, sal
  9      FROM emp WHERE sal =(SELECT MAX(sal) FROM emp);
 10      BEGIN
 11      FOR emp_info IN cur_emp_cursor
 12      LOOP
 13      RETURN emp_info;
 14      END LOOP;
 15      END highest_salary;
 16      BEGIN
 17      DBMS_OUTPUT.PUT_LINE('Emp: ' || highest_salary().emp_name ||
 18      ' earns the highest salary of ' || highest_salary().salary);
 19*  END;
SQL> /
```

What is the outcome?

A. It gives an error because the return type is not valid.



- B. It gives an error because the record type is not defined within the function.
- C. It gives an error because the function call in DBMS\_OUTPUT.PUT\_LINE is not valid
- D. It executes successfully and displays the names and salaries of all employees who earn the highest salary.
- E. It executes successfully but does not display the names and salaries of all employees who earn the highest salary.

Correct Answer: E

## QUESTION 2

View the Exhibit and examine the structure of the CUSTOMER table.

Name	Null?	Type
CUST_ID	NOT NULL	NUMBER
CUST_LAST_NAME	NOT NULL	VARCHAR2 (40)
CUST_CITY	NOT NULL	VARCHAR2 (30)
CUST_CREDIT_LIMIT		NUMBER
CUST_CATEGORY		VARCHAR2 (20)

You need to create a trigger to ensure that customers in category "A" and "B" have a credit limit of more than 8000.

Examine the following trigger.

```
CREATE OR REPLACE TRIGGER verify_cust_category
  BEFORE INSERT ON customer
  BEGIN
    IF: NEW.cust_category IN ('A', 'B') AND :NEW.cust_credit_limit < 8000 THEN
      RAISE_APPLICATION_ERROR (-20202, 'Credit Limit cannot be less than 8000');
    END IF;
  END;
```

Which statement is correct about the outcome of this trigger?

- A. It compiles successfully and fires whenever the specified condition is met.
- B. It compiles successfully but does not fire even when the condition is met.
- C. It gives an error on compilation because the NEW qualifier is prefixed with a colon.
- D. It gives an error on compilation because the NEW qualifier can be used only in row-level triggers.

Correct Answer: D

## QUESTION 3



Examine the following partial declare section from a block of PL/SQL code

```
SQL>DECLARE
2  v_wage    NUMBER    NOT NULL := 1000;
3  v_total_wages    v_wage%TYPE ;
4  work_complete    CONSTANT BOOLEAN :=TRUE;
5  all_work_complete    work_complete%TYPE ;
. . . . .
```

Which line(s) in the above code are NOT valid? (Choose two.)

- A. line 2
- B. line 3
- C. line 4
- D. line 5

Correct Answer: BD

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#### QUESTION 4

View the Exhibit and examine the structure of the departments table in SCOTT\\'s schema.

Name	Null?	Type
-----	-----	-----
DEPARTMENT_ID	NOT NULL	NUMBER(4)
DEPARTMENT_NAME	NOT NULL	VARCHAR2(30)
MANAGER_ID		NUMBER(6)
LOCATION_ID		NUMBER(4)

Examine the following block of code:



```
CREATE OR REPLACE PROCEDURE add_dept(  
    p_id NUMBER, p_name VARCHAR2) IS  
BEGIN  
    INSERT INTO departments  
    VALUES (p_id, p_name, NULL, NULL);  
END;  
/
```

The above procedure is created by user SCOTT. Another user JONES needs to use the procedure.

Which two statements are true in the above scenario? (Choose two.)

- A. JONES executes the procedure with definer's rights.
- B. JONES executes the procedure with invoker's rights.
- C. SCOTT should grant only the execute privilege for the procedure to JONES.
- D. SCOTT should grant both the execute privilege for the procedure and insert privilege for the table to JONES.

Correct Answer: AC

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#### QUESTION 5

View the Exhibit to examine the PL/SQL block.

```
DECLARE  
    TYPE population IS TABLE OF NUMBER  
        INDEX BY VARCHAR2(64);  
    city_population population;  
    i VARCHAR2(64);  
BEGIN  
    city_population('Smallville') :=2000;  
    city_population('Midland') :=750000;  
    city_population('Megalopolis') :=1000000;  
    city_population('Smallville') :=2001;  
    i := city_population.FIRST;  
    WHILE i IS NOT NULL LOOP  
        DBMS_Output.PUT_LINE('Population of ' || i || ' is ' || TO_CHAR(city_population(i)));  
        i := city_population.NEXT(i);  
    END LOOP;  
END;  
/
```

Which two statements are true about the execution of the PL/SQL block? (Choose two.)

- A. It executes successfully and gives the desired output.



- B. It does not execute because the definition of type POPULATION is indexed by VARCHAR2.
- C. It executes, and the string keys of an associative array are not stored in creation order, but in sorted order.
- D. It does not execute because the value that is once assigned to the element of the associative array cannot be changed.

Correct Answer: AC

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