



# 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 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)
COMMISSION_PCT		NUMBER (2, 2)
MANAGER_ID		NUMBER (6)
DEPARTMENT_ID		NUMBER (4)

User SCOTT needs to generate a text report that contains the names of all employees and their salaries.

Examine the following commands issued by the DBA:

```
SQL>CREATE DIRECTORY my_dir AS \\temp/my_files\;
```

```
SQL>GRANT WRITE ON DIRECTORY my_dir TO scott;
```

View Exhibit 2 and examine the procedure code.



```
CREATE OR REPLACE PROCEDURE sal_status(p_dir IN VARCHAR2,
                                       p_filename IN VARCHAR2) IS
    f_file UTL_FILE.FILE_TYPE;
    CURSOR cur_emp IS
        SELECT last_name, salary
        FROM employees ORDER BY salary;
BEGIN
    f_file:= UTL_FILE.FOPEN (p_dir, p_filename, 'W');
    UTL_FILE.PUT_LINE(f_file,'REPORT: GENERATED ON' || SYSDATE);
    FOR emp_rec IN cur_emp LOOP
        UTL_FILE.PUT_LINE(f_file, 'EMPLOYEE: ' || emp_rec.last_name ||
            ' earns: ' || emp_rec.salary);
    END LOOP;
    UTL_FILE.FCLOSE (f_file);
EXCEPTION
    WHEN UTL_FILE.INVALID_FILEHANDLE THEN
        RAISE_APPLICATION_ERROR(-20001,'Invalid File.');
```

```
    WHEN UTL_FILE.WRITE_ERROR THEN
        RAISE_APPLICATION_ERROR(-20002,'Unable to write to file');
END sal_status;
/
```

You issue the following command:

```
SQL>EXEC sal_status ('\\MY_DIR\\', 'EMPREPORT.TXT\\')
```

What is the outcome?

- A. It executes successfully and creates the report.
- B. It gives an error because the text file should be opened in append mode.
- C. It gives an error because the "no data found" condition is not handled to come out of the loop.
- D. It gives an error because user SCOTT should be granted both read and write privileges to the directory alias.
- E. It executes but no data is written to the text file because the FFLUSH subprogram is not used to write all the data buffered in memory to a file.

Correct Answer: A

## QUESTION 2

View Exhibit 1 and examine the structure of the DO 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.

```
SQL>CREATE OR REPLACE FUNCTION job_chk (p_empno NUMBER)
2   RETURN BOOLEAN IS
3   v_job emp.job%TYPE;
4   BEGIN
5       SELECT job INTO v_job FROM emp WHERE empno = p_empno;
6       IF v_job 'SALESMAN' THEN
7           RETURN TRUE;
8       ELSE
9           RETURN FALSE;
10      END IF;
11  END job_chk;
/
SQL>DECLARE
2   v_job BOOLEAN;
3   dyn_stmt VARCHAR2(200);
4   v_comm NUMBER := NULL;
5   v_empno emp.empno%TYPE;
6   BEGIN
7       dyn_stmt := 'BEGIN:v_job := job_chk(100); END;';
8       EXECUTE IMMEDIATE dyn_stmt USING OUT v_job;
9       IF v_job THEN
10          EXECUTE IMMEDIATE 'UPDATE emp SET comm = :x WHERE empno = :y'
11          USING v_comm, v_empno;
12      END IF;
13  END;
```

The anonymous block gives an error on execution. What is the reason?

A. The assignment in line 7 is not valid.



- B. The SQL does not support the Boolean data type.
- C. A null value cannot be applied to the bind arguments in the using clause in line 10.
- D. The names of bind variables must be the same as the using clause bind arguments in line 10.

Correct Answer: B

### QUESTION 3

Examine the following code that you plan to execute:

```
SQL>CREATE OR REPLACE PACKAGE p1 IS
    x NUMBER;
    PROCEDURE proc1;
    PROCEDURE proc2;
END p1;
```

Package created.

```
SQL> CREATE OR REPLACE PACKAGE BODY p1 IS
    PROCEDURE proc1 IS
    BEGIN
        x :=1;
    END;
    PROCEDURE proc3 IS
    BEGIN
        DBMS_OUTPUT.PUT_LINE (x) ;
    END proc3;
END p1;
```

What correction should be performed in the above code?

- A. The PROC2 procedure code should be defined in the package body.
- B. The PROC3 procedure should be declared in the package specification.
- C. The PROC3 procedure header should be declared at the beginning of the package body.
- D. The variable x must be declared in the package body and removed from the specification,



Correct Answer: A

#### QUESTION 4

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)
COMMISSION_PCT		NUMBER (2, 2)
MANAGER_ID		NUMBER (6)
DEPARTMENT_ID		NUMBER (4)

EMPLOYEES\_SEQ is an existing sequence. Examine the following block of code: Which statement is true about the above block of code?

```
BEGIN
  BEGIN
    INSERT INTO employees(employee_id, first_name, last_name, email,
                          hire_date, job_id, salary)
      VALUES(employees_seq.NEXTVAL, 'Ruth',
              'Cores', 'RCORES', CURRENT_DATE,
              'AD_ASST', 4000);
  END;
  BEGIN
    INSERT INTO employees(employee_id, first_name, last_name, email,
                          hire_date, job_id, salary)
      VALUES(employees_seq.NEXTVAL, 'Tom',
              'Jones', 'TJONES', CURRENT_DATE,
              'AD_MGR', 6000);
  END;
END;
```

- A. It gives an error on execution because sequences cannot be used in anonymous blocks.
- B. It consists of a single transaction.
- C. It consists of two transactions.
- D. The data is automatically committed after the block execution ends.



Correct Answer: B

---

### QUESTION 5

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

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