1Z0-144$^{\text{Q\&As}}$

Oracle Database 11g: Program with PL/SQL

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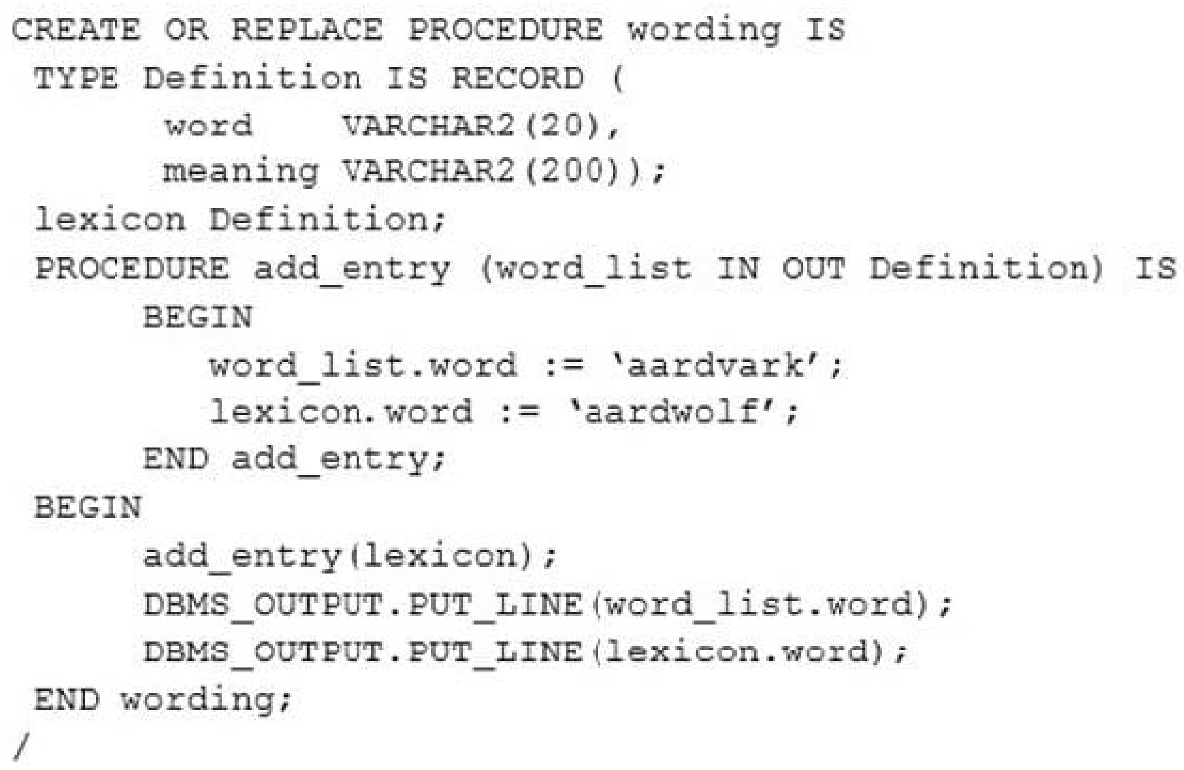
QUESTION 1

View the Exhibit and examine the code.



```
CREATE OR REPLACE PROCEDURE wording IS
 TYPE Definition IS RECORD (
       word    VARCHAR2(20),
       meaning VARCHAR2(200));
 lexicon Definition;
 PROCEDURE add_entry (word_list IN OUT Definition) IS
      BEGIN
         word_list.word := 'aardvark';
         lexicon.word := 'aardwolf';
      END add_entry;
 BEGIN
      add_entry(lexicon);
      DBMS_OUTPUT.PUT_LINE(word_list.word);
      DBMS_OUTPUT.PUT_LINE(lexicon.word);
 END wording;
/
```

Why does the code give an error on execution?

A. because the WORD_LIST variable is not visible in PROCEDURE WORDING

B. because the LEXICON variable is not visible in PROCEDURE ADD_ENTRY

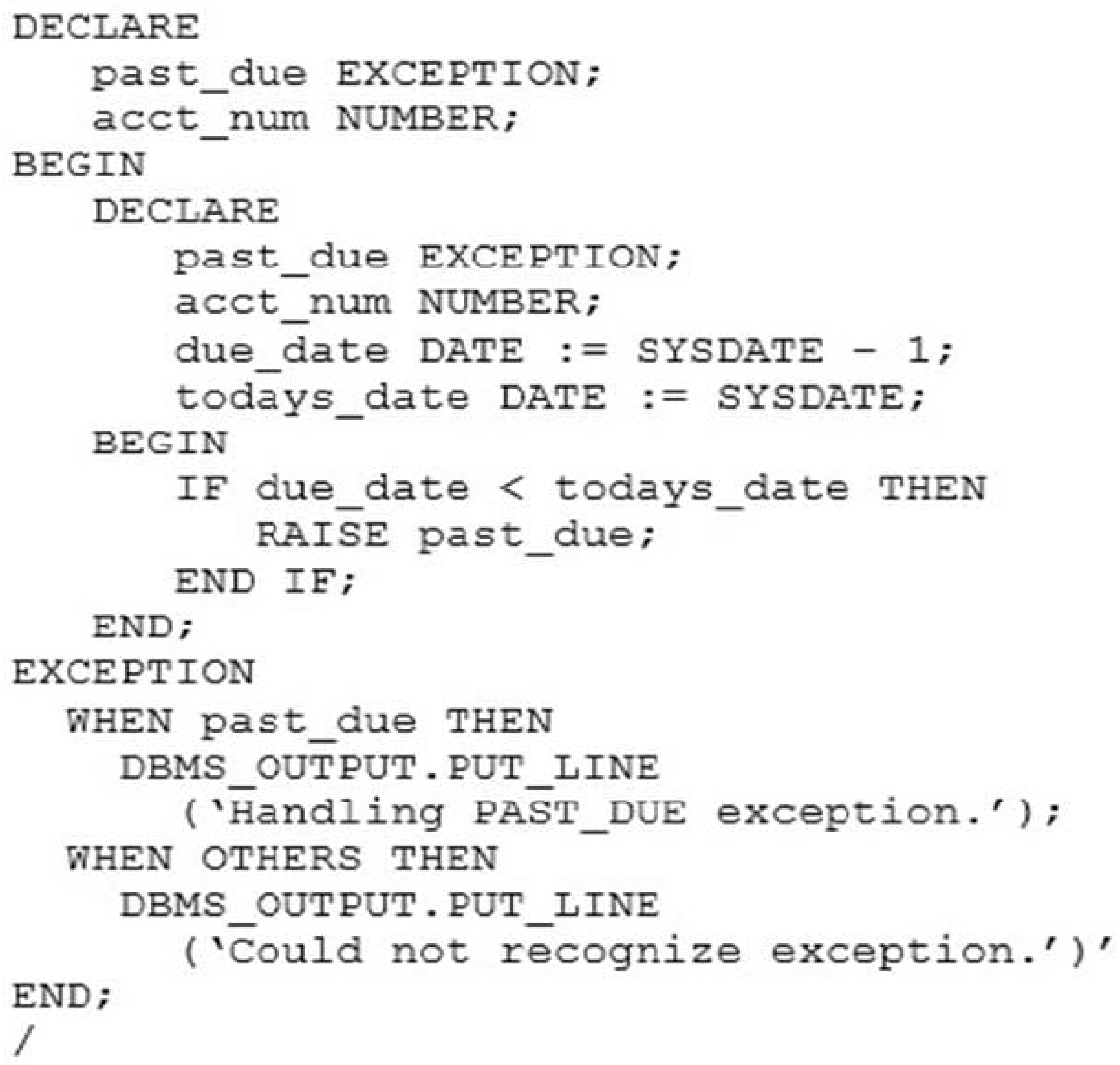
C. because the LEXICON variable is not initialized in PROCEDURE WORDING

D. because the WORD_LIST parameter in IN OUT mode cannot be of a RECORD data type

Correct Answer: A

QUESTION 2

View the Exhibit to examine the PL/SQL code.



```
DECLARE
   past_due EXCEPTION;
   acct_num NUMBER;
BEGIN
   DECLARE
      past_due EXCEPTION;
      acct_num NUMBER;
      due_date DATE := SYSDATE - 1;
      todays_date DATE := SYSDATE;
   BEGIN
      IF due_date < todays_date THEN
         RAISE past_due;
      END IF;
   END;
EXCEPTION
  WHEN past_due THEN
    DBMS_OUTPUT.PUT_LINE
      (‘Handling PAST_DUE exception.’);
  WHEN OTHERS THEN
    DBMS_OUTPUT.PUT_LINE
      (‘Could not recognize exception.’)’
END;
/
```

Which statement is true about the execution of the code?

A. The exception raised in the code is handled by the exception handler for the PAST_DUE exception.

B. It does not execute because you cannot declare an exception with a similar name in the subblock.

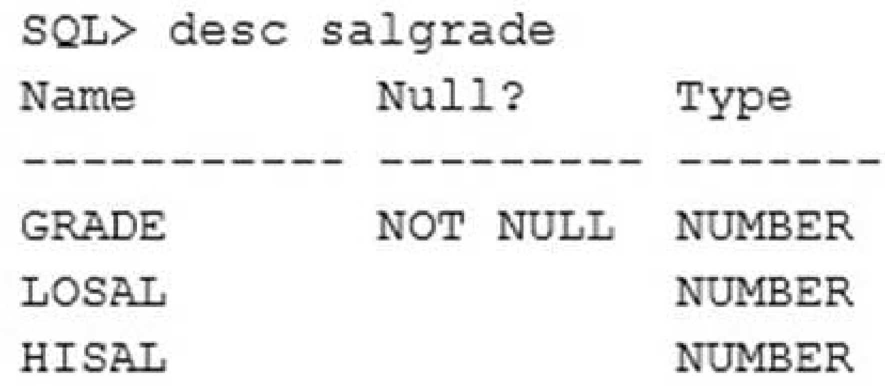
C. The PAST_DUE exception raised in the subblock causes the program to terminate abruptly because there is no exception handler in the subblock.

D. The PAST_DUE exception raised by the enclosing block is not propagated to the outer block and it is handled by the WHEN OTHERS exception handler

Correct Answer: D

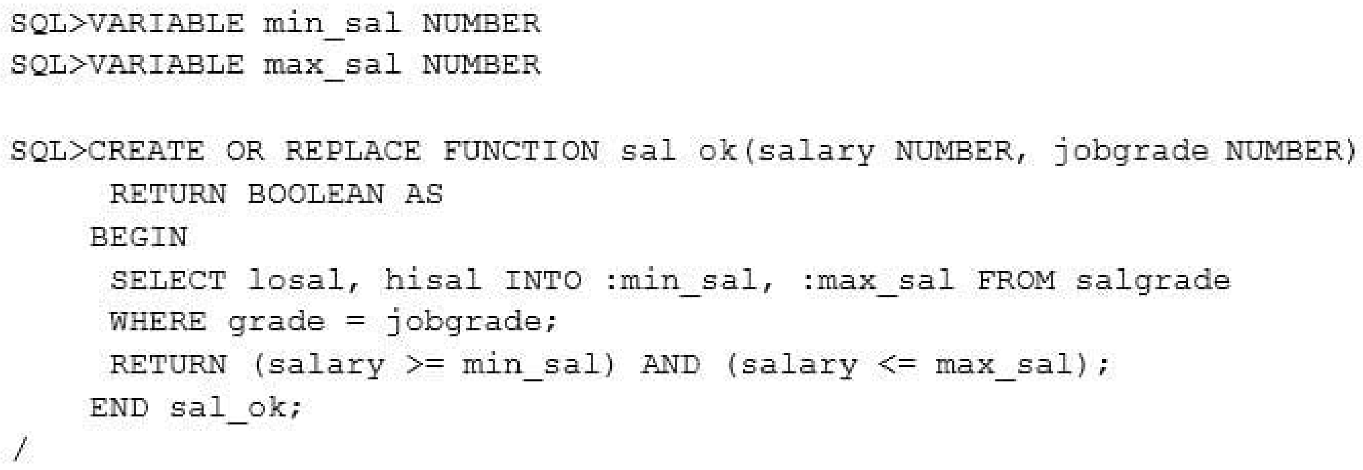
QUESTION 3

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



```
SQL> desc salgrade
Name            Null?      Type
-----------     ---------  -------
GRADE           NOT NULL   NUMBER
LOSAL                      NUMBER
HISAL                      NUMBER
```

Examine the following code:



```
SQL>VARIABLE min_sal NUMBER
SQL>VARIABLE max_sal NUMBER

SQL>CREATE OR REPLACE FUNCTION sal ok(salary NUMBER, jobgrade NUMBER)
     RETURN BOOLEAN AS
    BEGIN
     SELECT losal, hisal INTO :min_sal, :max_sal FROM salgrade
     WHERE grade = jobgrade;
     RETURN (salary >= min_sal) AND (salary <= max_sal);
    END sal_ok;
/
```

What is the outcome?

A. It is created successfully.

B. It gives an error because the return clause condition is invalid.

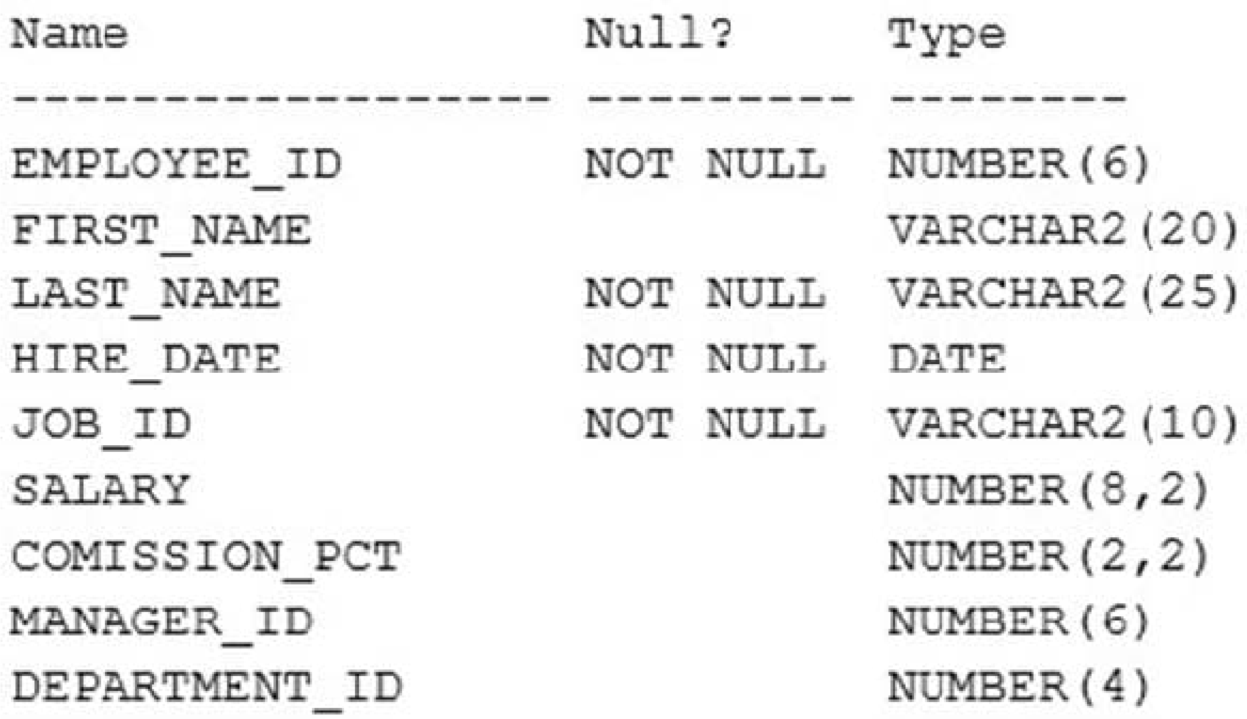
C. It gives an error because the usage of the host variables is invalid.

D. It gives an error because the data type of the return clause is invalid.

Correct Answer: C

QUESTION 4

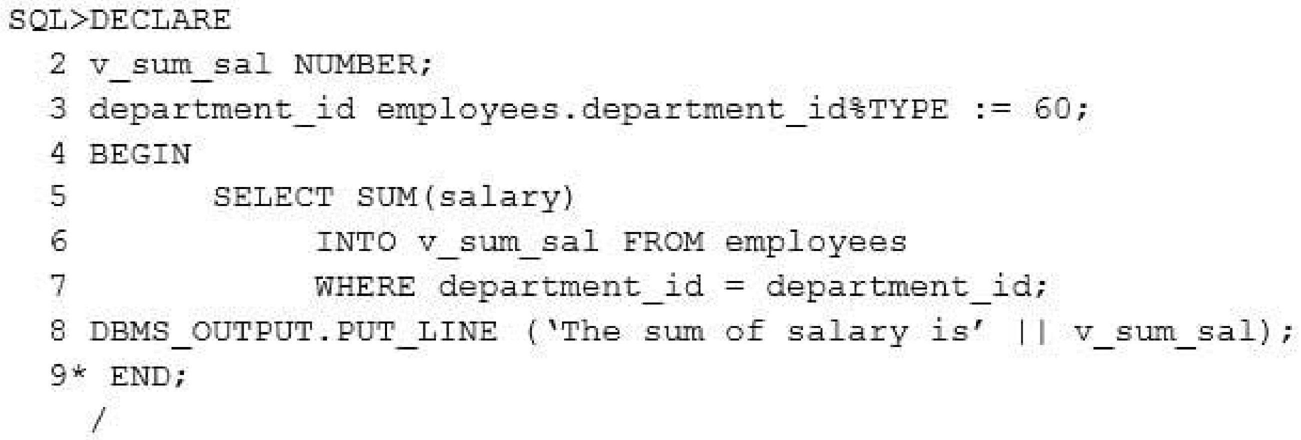
View the Exhibit and examine the structure of the EMPLOYEES table.



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

Execute the following block of code:

SQL > SET SERVEROUTPUT ON



```
SQL>DECLARE
    v_sum_sal NUMBER;
    department_id employees.department_id%TYPE := 60;
    BEGIN
          SELECT SUM(salary)
               INTO v_sum_sal FROM employees
               WHERE department_id = department_id;
    DBMS_OUTPUT.PUT_LINE ('The sum of salary is' || v_sum_sal);
     END;
     /
```

What is the outcome?

A. It gives an error because the variable name and column name are the same in the WHERE clause of the SELECT statement.

B. It executes successfully and displays the sum of salaries in department 60.

C. It gives an error because group functions cannot be used in anonymous blocks.

D. It executes successfully and displays the incorrect sum of salaries in department 60.

Correct Answer: D

QUESTION 5

In which of the following scenarios would you recommend using PL/SQL records?

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: A