Database Programming with PL/SQL

2-7: Good Programming Practices

Practice Activities

Vocabulary

No new vocabulary for this lesson.

Try It / Solve It

1. Enter and run the following PL/SQL block. It will execute correctly if you have entered it correctly, but it contains some examples of bad programming practices.

A. Modify the block to use good programming practices, and re-run the block.

B. Your modified block should contain examples of the following good programming practices:

explicit data type conversions, meaningful and consistent variable names, use of %TYPE,

upper and lowercase conventions, single and multi-line comments, and clear indentation.

**DECLARE**

**myvar1 VARCHAR2(20);**

**myvar2 number(4);**

**BEGIN**

**SELECT country\_name INTO myvar1**

**FROM countries WHERE country\_id = 421;**

**myvar2 :='1234';**

**MYVAR2 := myvar2 \* 2;**

**DBMS\_OUTPUT.PUT\_LINE(myvar1);**

**End;**

DECLARE

my\_country\_name countries.country\_name%TYPE;

my\_var\_2 NUMBER(4);

BEGIN

SELECT country\_name INTO my\_country\_name

FROM countries

WHERE country\_id = 'DE';

my\_var\_2:='1234';

my\_var\_2:=my\_var\_2\*2;

DBMS\_OUTPUT.PUT\_LINE(my\_country\_name);

END;