

## 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
    myvar1 VARCHAR2(20);
    myvar2 wf_countries.country_id%TYPE;
BEGIN
    SELECT TO_CHAR(country_name) INTO myvar1
    FROM wf_countries WHERE country_id = 1246;
    myvar2 := 1234;
    myvar2 := myvar2 * 2;
    DBMS_OUTPUT.PUT_LINE(myvar1);
End;
```