Database Programming with PL/SQL

15-2: Displaying Compiler Warning Messages

Practice Activities

Vocabulary

Identify the vocabulary word for each definition below:

PL/SQL Compiler Warnings	Non-fatal situations that can be identified during compilation by setting PLSQL_WARNINGS. Using PLSQL_WARNINGS, you can selectively control which warning categories and individual warnings to disable, enable, or treat as errors
PL/SQL Compiler Errors	fatal situations identified during compilation that must be corrected prior to successful compilation
DBMS_WARNING	allows you to set the same warning categories as the PLSQL_WARNINGS parameter, but also allows you to save your previous warning settings in a PL/SQL variable so you can easily return to your original settings

Try It / Solve It

1. What are the warning levels that can be set by the PLSQL_WARNINGS parameter? How do you set the levels?

PERFORMANCE:

 ALTER SESSION SET PLSQL_WARNINGS = 'ENABLE:PERFORMANCE';

SEVERE:

 ALTER SESSION SET PLSQL_WARNINGS= 'ENABLE:ALL','DISABLE:SEVERE';

INFORMATIONAL

2. Create an anonymous PL/SQL block that prints the current warning parameter settings to the screen, enables the SEVERE warnings, recompiles the procedure testproc from the previous lesson, resets the warning parameters to their prior values, and prints those values as a confirmation.

```
DECLARE

V_STRING VARCHAR2(200);

BEGIN

v_string:=

DBMS_WARNING.GET_WARNING_SETTING_STRING;

DBMS_OUTPUT.PUT_LINE(V_STRING);

END;


ALTER SESSION SET PLSQL_WARNINGS = 'ENABLE:SEVERE','DISABLE:ALL';
```