



## Oracle Database 11g R2: PL/SQL Fundamentals II - Develop Program Units



ora11g101-ver2-v2

Instructor Resources From The Sideris Training Portal

3 Days

### General Description

This Oracle 11g courseware training guide book will equip students to develop database server-side PL/SQL program units within an Oracle database. In addition to receiving the print copy of this course book, all students will receive e-Learning modules.

### Target Audience

Target audience for this course is all Oracle professionals. Among the specific groups for whom this course will be helpful are:

- Application designers and developers
- Database administrators

### Prerequisites

The following Sideris courses are mandatory prerequisites for this course:

- ORACLE DATABASE 11G: SQL FUNDAMENTALS – COMPLETE LIBRARY
- ORACLE DATABASE 11G: PL/SQL FUNDAMENTALS I

### Next Course

There are crucial performance tuning and advanced programming structures which are very important to understand and use and are considered within the follow-up course entitled:

- ORACLE DATABASE 11G: ADVANCED PL/SQL PROGRAMMING & TUNING.

### Certification

This course considers subjects useful for certification as an Oracle Certified Master (OCM), the most advanced and prestigious Oracle database certification level.

### Pages

354

### Duration

3 days

### Instructor Resources

Instructor resources from the [Sideris Training Portal](#). There is no substitute for a subject matter expert. Sideris custom print courseware combined with our online resources make distance-learning and virtual training more effective than ever. Download the instructor resources for this courseware and see how your instructor presentations improve!

Major subject areas to be explored and secondary objectives are:

- Understanding application partitioning within a client/server or multi-tiered web-based systems architecture.
- Understanding the basic form and structure of program units stored within the database.
- Building and maintaining database-resident program units.
- Encapsulating program units within packages and taking advantage of accompanying advanced programming techniques such as cursor variables and cursor expressions.
- Handling intricate theoretical challenges, such as mutating tables.

### Objectives

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- Building and maintaining DML-event and system-event database triggers, including advanced techniques using both simple triggers and compound triggers.
- Discuss the storage and execution model for database programs and how one can write efficient programs to maximize performance.
- Using system-supplied packages to extend the power of your SQL statements and PL/SQL applications.

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### INTRODUCING DATABASE PROGRAM UNITS

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- ABOUT STORED PROCEDURES & FUNCTIONS
- CREATING PROCEDURES & FUNCTIONS
- EXECUTING PROCEDURES & FUNCTIONS

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- MANAGING DEPENDENCIES

### CREATING & MAINTAINING PACKAGES

- ABOUT PACKAGES
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- DEFINING THE SCOPE
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