

Oracle Database 12c: SQL II - Intermediate



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Course Duration: 5 days

Description

This textbook builds upon the prerequisite introductory volume from the Sideris Oracle Database 12c: SQL Expert Series and considers intermediate-level SQL topics such as writing database queries using the SQL-99 syntax and exploiting the power of built-in functions that extend the capabilities of SQL.

You will learn how to complete of an application schema definition by creating database objects such as relational views, sequences, synonyms, indexes and others to compliment the table definitions. The crucial topic of data integrity and how this is protected using declarative constraints is covered.

With this textbook we will also leave the idyllic realm of the learning environment and begin to explore such practical real-world considerations as database object security and database performance.

Audience

The audience for this textbook is all Oracle professionals, both business and systems professionals. Among the specific groups for whom this textbook will be helpful are:

- Business and non-IT professionals
- Application designers and developers
- Business Intelligence (BI) analysts and consumers
- Database administrators
- Web server administrators

Objectives

This textbook demonstrates how one can build intermediate-level and even advanced queries using the SQL-99 join syntax, along with other advanced query topics. It also considers both ANSI/ISO and native Oracle SQL built-in functions and the tremendous power that functions offer to SQL operations. It is difficult for one to use SQL within a production environment without liberal use of the built-in functions. Among many other tasks, the built-in functions allow one to move beyond the use of primitive date data types and values to include timestamps, time zones and to address other realistic date and time challenges. Finally attention is given to how one completes an application schema by creating database objects to compliment table definitions. One cannot implement a production database application simply with table and column definitions but needs to create and manage views, indexes, constraints and other object types.

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