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# Oracle Database 11g R2: SQL Fundamentals II

# Oracle Database 11g R2 Sql Fundamentals I

**John Watson (računalničar.),Roopesh  
Ramklass**

## **Oracle Database 11g R2 Sql Fundamentals I:**

Oracle Database 11g R2 SQL Fundamentals I Sideris Courseware Corp,2011-05-01 The SQL database language is the foundation of all relational database activities This training Oracle 11g course is intended to provide an introduction to SQL within the context of an Oracle database Since the language is an industry standard much of the course contents are also applicable to other databases such as MS SQL Server IBM DB2 MySQL PostgreSQL and others This guide takes a unique approach to learning the language in that it combines the data modeling theory graphical illustrations of the logical concepts and many examples of actual syntax to help one truly grasp the power of the SQL language Among the specific topics we will explore are A summation of relational database principles and an introduction to the Oracle relational database server Using SQL Developer and other available SQL interfaces to the database Writing simple SQL queries which isolate exactly the data desired and then format and sort the query results as needed Writing moderately complex SQL queries using various join techniques Supplement SQL code with references to pseudo columns and built in system functions Summarizing grouping and combining data to obtain more meaningful query results and to allow one to draw conclusions and make business decisions based upon the data processed Advanced query techniques such as set operations sub queries and summary functions allowing one to solve some of the more complex theoretical query challenges Creating and maintaining database tables using the SQL Data Definition Language DDL Managing data within tables using the SQL Data Manipulation Language DML Taking advantage of the latest features found within the database such as the use of regular expressions support for international data time zones and other topics

*Oracle Database 11g R2* Sideris Corp,2011 The primary objective of this Oracle 11g training course is to provide an introduction to the PL SQL database programming language based upon the latest features available with the Oracle database Syntax structure and features of the language are discussed in the context of database applications and programming Major subject areas to be explored within this course book are Understand the environment and context in which PL SQL operates Consider the advantages and benefits of PL SQL within a database environment Declaring program variables and complex data types Developing logic within PL SQL program blocks Fetching data from the database into program variables Returning program output to users Handling program exceptions Using explicit and implicit database cursors Using the advanced features of nested blocks and subprograms How to take advantage of advanced features such as regular expression support and the handling of string literals within program code

**Oracle Database 11g R2** Sideris Courseware Corp.,2011 The primary objective of this Oracle 11g course is to consider advanced subjects and techniques pertaining to the SQL database language based upon the latest features available with the Oracle release Even professionals experienced in other implementations of the industry standard SQL language will benefit from the advanced and Oracle specific features of SQL discussed in this course This enhanced and expanded revision includes many new and expanded conceptual subjects including Learn to use the SQL99 join syntax and learn about the full range of join

operations available such as natural join inner join cross join outer joins and others Perform advanced SQL queries using techniques such as CASE structures rollup and cube operations Moving beyond basic table definitions learn to define the full range of database objects such as advanced table definitions and the creation of indexes sequences views and others Use the powerful set of built in SQL functions These functions provide sophisticated manipulation of character numeric and date data elements Taking advantage of the latest features found within the Oracle release such as the handling and tolerating DML errors without application interruption newly added functions and other topics Obtain database object metadata from the data dictionary Understand basic database security and object privileges Protect database integrity and extend the conceptual data model using declarative constraints Using SQL Developer and other available SQL interfaces Develop complex SQL Plus reports and reusable SQL Plus scripts as well as control the SQL Plus environment

### **Oracle Database**

**11g R2 Step-By-Step Installation Guide** Sideris Courseware Corp,2014-05-14 A major prerequisite for the usage and deployment of Oracle database technology is a successful installation The purpose of this Oracle 11g training course module is to offer a step by step guide for the configuration of a Linux or Microsoft Windows server to host an Oracle database Enterprise Edition installation Especially in a Linux environment installation of the database requires careful preparation configuration and sometimes troubleshooting in order to succeed This course includes practical tips learned from many real world installations which can assist you to achieve a successful installation in your environment We will explore both a standalone database installation and also a grid infrastructure installation Major objectives covered within this guide book include Configuration of the Linux and Microsoft Windows operating systems in anticipation of a database installation Performing a Desktop Class installation of the Oracle 11g R2 Enterprise Edition database Performing a Server Class installation of the Oracle 11g R2 Enterprise Edition database Addressing configuration and setup issues using the FixUp utility Verification of a valid database installation Database administrator and technical support interface options including the use of Enterprise Manager command line SQL Plus and terminal console SSH Preparing a host system for the Grid Infrastructure and Oracle RDBMS installations and performing those installations Preparing a host system for ASM storage management Partitioning and configuration of storage devices for ASM storage on both Linux and MS Windows servers While this course module applies specifically to the installation of the Enterprise Edition of the Oracle database it covers basic topics which apply to any Oracle software installation Therefore this material is also useful for the installation of other Oracle products such as the Oracle Database Client specialized options for a database server installation and so on

*Oracle Database 11g R2* Sideris Courseware Corporation,2005\* **Oracle Database 11g R2** Sideris Courseware Corp,2011 The primary objective of this Oracle 11g training course is to provide an introduction to the PL SQL database programming language based upon the latest features available with the Oracle database Syntax structure and features of the language are discussed in the context of database applications and programming Major subject areas to be explored

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

Sideris Courseware Corp,2011 The objective of this Oracle 11g course is to equip students to develop database server side PL SQL program units within an Oracle database Major subject areas to be explored and secondary objectives are Understanding application partitioning within a 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 Taking advantage of advanced programming techniques such as cursor variables and cursor expressions for efficient database processing logic Handling intricate theoretical challenges such as mutating tables 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

### *OCA Oracle Database 11g SQL Fundamentals I Exam Guide* John Watson,Roopesh Ramklass,2008-06-19

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### **Oracle 11g R1/R2 Real Application Clusters**

**Essentials** Ben Prusinski,Syed Jaffer Hussain,2011-05-23 Annotation Oracle RAC or Real Application Clusters is a grid computing solution that allows multiple nodes servers in a clustered system to mount and open a single database that resides on shared disk storage Should a single system node fail the database service will still be available on the remaining nodes Oracle RAC is an integral part of the Oracle database setup You have one database with multiple users accessing it in real

time This book will enable DBAs to get their finger on the pulse of the Oracle 11g RAC environment quickly and easily This book will cover all areas of the Oracle RAC environment and is indispensable if you are an Oracle DBA who is charged with configuring and implementing Oracle 11g R1 with bonus R2 information included This book presents a complete method for the configuration installation and design of Oracle 11g RAC ultimately enabling rapid administration of Oracle 11g RAC environments This practical handbook documents how to administer a complex Oracle 11g RAC environment Packed with real world examples expert tips and troubleshooting advice the book begins by introducing the concept of Oracle RAC and High Availability It then dives deep into the world of RAC configuration installation and design enabling you to support complex RAC environments for real world deployments Chapters cover Oracle RAC and High Availability Oracle 11g RAC Architecture Oracle 11g RAC Installation Automatic Storage Management Troubleshooting Workload Management and much more By following the practical examples in this book you will learn every concept of the RAC environment and how to successfully support complex Oracle 11g R1 and R2 RAC environments for various deployments within real world situations This book is the updated release of our previous Oracle 11g R1 R2 Real Application Clusters Handbook If you already own a copy of that Handbook there is no need to upgrade to this book

**OCA oracle database 11g** John Watson (računalničar.),Roopesh Ramklass,2008 *Oracle Database 11g Release 2 Performance Tuning Tips & Techniques* Richard Niemiec,2012-03-19 Best practices for optimizing database performance Cover [Oracle Database 11g](#) K.

Lambercht,2014-09-30 This book will enable you to test your knowledge around Understand the basic concepts of relational databases ensure refined code by developers Create reports of sorted and restricted data Run data manipulation statements DML Control database access to specific objects Manage schema objects Manage objects with data dictionary views Retrieve row and column data from tables Control privileges at the object and system level Create indexes and constraints alter existing schema objects Create and query external tables [OCA Oracle Database 11g](#) John Watson,Roopesh Ramklass,2008

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### **OCA Oracle Database**

**SQL Exam Guide (Exam 1Z0-071)** Steve O'Hearn, 2017-08-25 A fully updated integrated self study system for the Oracle Database SQL Exam This thoroughly revised Oracle Press guide offers 100% coverage of all objectives on the latest version of the Oracle Database SQL Exam Ideal both as a study guide and on the job reference OCA Oracle Database SQL Exam Guide Exam 1Z0 071 features detailed explanations examples practice questions and chapter summaries Certification Objectives Exam Watch and On the Job sections reinforce salient points throughout You will gain access to two complete practice exams that match the tone tenor and format of the live test Get complete coverage every topic on Exam 1Z0 071 including DDL and SQL SELECT statements Manipulating restricting and sorting data Single row and group functions Displaying data from multiple tables Subqueries Schema objects Set operators Grouping related data Report creation Data dictionary views Large data sets Hierarchical retrieval Regular expression support User access control The electronic includes Two full practice exams Detailed answers and explanations *OCE Oracle Database SQL Certified Expert Exam Guide (Exam 1Z0-047)* Steve O'Hearn, 2009-11-22 A Fully Integrated Study System for OCA Exam 1Z0 047 Prepare for the Oracle Certified Associate SQL Certified Expert exam with help from this exclusive Oracle Press guide In each chapter you'll

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