

## Oracle Pl Sql 12c 11g Basic Pl Sql Advanced Pl Sql

An Expert Guide for Solving Complex Oracle Database Problems Oracle Database Problem Solving and Troubleshooting Handbook delivers comprehensive, practical, and up-to-date advice for running the Oracle Database reliably and efficiently in complex production environments. Seven leading Oracle experts have brought together an unmatched collection of proven solutions, hands-on examples, and step-by-step tips for Oracle Database 12c, 11g, and other recent versions of Oracle Database. Every solution is crafted to help experienced Oracle DBAs and DMAs understand and fix serious problems as rapidly as possible. The authors cover LOB segments, UNDO tablespaces, high GC buffer wait events, poor query response times, latch contention, indexing, XA distributed transactions, RMAN backup/recovery, and much more. They also offer in-depth coverage of a wide range of topics, including DDL optimization, VLDB tuning, database forensics, adaptive cursor sharing, data pumps, data migration, SSDs, indexes, and how to go about fixing Oracle RAC problems. Learn how to Choose the quickest path to solve high-impact problems Use modern best practices to make your day more efficient and predictable Construct your “Call 9-1-1 plan” for future database emergencies Proactively perform maintenance to improve your environment’s stability Save time with industry-standard tools and scripts Register your product at [informit.com/register](http://informit.com/register) for convenient access to downloads, updates, and corrections as they become available.

Proven Database Optimization Solutions? Fully Updated for Oracle Database 12c Release 2 Systematically identify and eliminate database performance problems with help from Oracle Certified Master Richard Niemiec. Filled with real-world case studies and best practices, Oracle Database 12c Release 2 Performance Tuning Tips and Techniques details the latest monitoring, troubleshooting, and optimization methods. Find out how to identify and fix bottlenecks on premises and in the cloud, configure storage devices, execute effective queries, and develop bug-free SQL and PL/SQL code. Testing, reporting, and security enhancements are also covered in this Oracle Press guide.

- Properly index and partition Oracle Database 12c Release 2
- Work effectively with Oracle Cloud, Oracle Exadata, and Oracle Enterprise Manager
- Efficiently manage disk drives, ASM, RAID arrays, and memory
- Tune queries with Oracle SQL hints and the Trace utility
- Troubleshoot databases using V\$ views and X\$ tables
- Create your first cloud database service and prepare for hybrid cloud
- Generate reports using Oracle’s Statspack and Automatic Workload Repository tools
- Use sar, vmstat, and iostat to monitor operating system statistics

Learn all of the available upgrade and migration methods in detail to move to Oracle Database version 12c. You will become familiar with database upgrade best practices to complete the upgrade in an effective manner and understand

the Oracle Database 12c patching process. So it's time to upgrade Oracle Database to version 12c and you need to choose the appropriate method while considering issues such as downtime. This book explains all of the available upgrade and migration methods so you can choose the one that suits your environment. You will be aware of the practical issues and proactive measures to take to upgrade successfully and reduce unexpected issues. With every release of Oracle Database there are new features and fixes to bugs identified in previous versions. As each release becomes obsolete, existing databases need to be upgraded. Oracle Database Upgrade and Migration Methods explains each method along with its strategy, requirements, steps, and known issues that have been seen so far. This book also compares the methods to help you choose the proper method according to your constraints. Also included in this book: Pre-requisite patches and pre-upgrade steps Patching to perform changes at the binary and database level to apply bug fixes What You Will Learn: Understand the need and importance of database upgrading and migration Be aware of the challenges associated with database upgrade decision making Compare all upgrade/migration methods Become familiar with database upgrade best practices and recommendations Understand database upgrade concepts in high availability and multi-tenant environments Know the database downgrade steps in case the upgraded database isn't compatible with the environment Discover the features and benefits to the organization when it moves from the old database version to the latest database version Understand Oracle 12c patching concepts Who This Book Is For: Core database administrators, solution architects, business consultants, and database architects

This Oracle Press guide illuminates and details the revolutionary new features and tools available in Oracle Database 12c.

This book covers Oracle Database 11g, Oracle Database 12c, MySQL and Microsoft SQL Server. It includes related Oracle Database features for readers trying to prototype or implement Oracle GoldenGate. What you will learn from the book? Oracle GoldenGate fundamentals, modular architecture, flexible and scalable configuration and installation options. This is the foundation for all new Oracle GoldenGate users. Oracle GoldenGate initial data-load techniques for a heterogeneous environment, including initial-load using the Recovery Manager (RMAN) suitable for a VLDB environment. Learn how to configure Oracle GoldenGate instance for query offloading. Reports are diverted to an Oracle Database instance for an operational Data Warehouse, running 10x faster. Find out how to configure Oracle GoldenGate for high-availability using bi-directional topology. Learn how to implement internal and user-defined Conflict Detection and Resolution (CDR) necessary to operate active-active Oracle GoldenGate environments. Deployment of Oracle GoldenGate Veridata. Installation and configuration of the Repository. Installation and configuration of the agent on source and target systems. Configuration of Oracle GoldenGate to determine Out-Of-Sync tables. Use of Oracle

GoldenGate for performing Near Zero-Downtime Upgrade Migration. Learn the use of the Recovery Manager (RMAN) cloning to prepare the database for upgrade. Learn how to configure Oracle GoldenGate on a heterogeneous environment composed of Oracle Database 12c Non-CDB, MySQL and Oracle Database 12c CDB. Learn how to use Oracle GoldenGate performing data transformation for the operational data store. Learn how to install, configure, and use Oracle GoldenGate Management Pack. Learn in-depth about Oracle GoldenGate Director and Oracle GoldenGate Monitor. Integration of Oracle GoldenGate with Oracle Data Guard. Migration from Oracle Streams to Oracle GoldenGate. Configuration of Oracle GoldenGate for best performance using Integrated Capture and intermediate systems. Learn how to Configure Data Definition Language (DDL) replication.

Special Features: · Dive into the world of SQL and PL/SQL programming in Oracle 10g· Grasp all theoretical and practical concepts in programming· Understand the advanced features of SQL, like Analytical queries, multitable inserts, joins, Scalar subqueries, key preserving Joins, etc· Understand the concept of Server model in software· Face OCP exams and interviews (for software professionals)· Absorb advanced features in PL/SQL, like Control structures, Collections, LOB datatype, Object types, Error handling, Triggers, Object views, Rollback segments, UNDO tablespace, Flashback queries, Sequence and Wrapper, Expression filter, in addition to Security and Audit About The Book: This book, SQL & PL/SQL Black Book, brings to you the complete, latest account of SQL and PL/SQL for Oracle. It gifts you two things-first, it upgrades your knowledge on the subject; and second the innumerable, exciting examples help you build a better skill in SQL and PL/SQL. The highlight of the book is a clear yet incisive discussion of the basic features of Oracle 9i and the latest advanced features that come with Oracle 10g. The in-depth treatment of the subject in a lucid language will give you an enjoyable learning experience as you have always had with our previous books on Oracle. This comprehensive reference will help you learn the entire spectrum of SQL-from Views to Cube and Roll Up; from Case expressions to Variances and Correlation-and PL/SQL-from Collections to Object types; from Error handling to Triggers; from Object views to Rollback segments; from UNDO tablespace to Expression filter, and many more. All this, as the book zips through the material and does not blather on or repeat points made earlier-no doubt, every aspect is worth the price of the entire book.

Oracle Database 12c PL/SQL Programming McGraw Hill Professional

Write Powerful SQL Statements and PL/SQL Programs Learn how to access Oracle databases through SQL statements and construct PL/SQL programs. Oracle Database 12c SQL offers complete coverage of the latest database features and techniques. Find out how to write SQL statements to retrieve and modify database information, use SQL\*Plus and SQL Developer, work with database objects, write PL/SQL programs, use performance optimization techniques,

incorporate XML, and more. This Oracle Press guide contains everything you need to know to master SQL. Use SQL statements to access an Oracle database Work with SQL\*Plus and SQL Developer Write PL/SQL programs Create tables, sequences, indexes, views, and triggers Design advanced queries containing complex calculations Create database objects to handle abstract data Use date, time stamp, and time interval data types Establish user roles and privileges Handle multimedia files using large objects Tune SQL statements to make them execute faster Generate, process, and store XML data Master the very latest Oracle Database 12c features Code examples in the book are available for download.

Master the advanced concepts of PL/SQL for professional-level certification and learn the new capabilities of Oracle Database 12c About This Book Learn advanced application development features of Oracle Database 12c and prepare for the 1Z0-146 examination Build robust and secure applications in Oracle PL/SQL using the best practices Packed with feature demonstrations and illustrations that will help you learn and understand the enhanced capabilities of Oracle Database 12c Who This Book Is For This book is for Oracle developers responsible for database management. Readers are expected to have basic knowledge of Oracle Database and the fundamentals of PL/SQL programming. Certification aspirants can use this book to prepare for 1Z0-146 examination in order to be an Oracle Certified Professional in Advanced PL/SQL. What You Will Learn Learn and understand the key SQL and PL/SQL features of Oracle Database 12c Understand the new Multitenant architecture and Database In-Memory option of Oracle Database 12c Know more about the advanced concepts of the Oracle PL/SQL language such as external procedures, securing data using Virtual Private Database (VPD), SecureFiles, and PL/SQL code tracing and profiling Implement Virtual Private Databases to prevent unauthorized data access Trace, analyze, profile, and debug PL/SQL code while developing database applications Integrate the new application development features of Oracle Database 12c with the current concepts Discover techniques to analyze and maintain PL/SQL code Get acquainted with the best practices of writing PL/SQL code and develop secure applications In Detail Oracle Database is one of the most popular databases and allows users to make efficient use of their resources and to enhance service levels while reducing the IT costs incurred. Oracle Database is sometimes compared with Microsoft SQL Server, however, Oracle Database clearly supersedes SQL server in terms of high availability and addressing planned and unplanned downtime. Oracle PL/SQL provides a rich platform for application developers to code and build scalable database applications and introduces multiple new features and enhancements to improve development experience. Advanced Oracle PL/SQL Developer's Guide, Second Edition is a handy technical reference for seasoned professionals in the database development space. This book starts with a refresher of fundamental concepts of PL/SQL, such as anonymous block, subprograms, and exceptions, and prepares you for the upcoming advanced concepts. The next chapter introduces you to the new features of Oracle Database 12c, not limited to PL/SQL. In this chapter, you will understand some of the most talked about features such as Multitenant and Database In-Memory. Moving forward, each chapter introduces advanced concepts with the help

of demonstrations, and provides you with the latest update from Oracle Database 12c context. This helps you to visualize the pre- and post-applications of a feature over the database releases. By the end of this book, you will have become an expert in PL/SQL programming and will be able to implement advanced concepts of PL/SQL for efficient management of Oracle Database. Style and approach The book follows the structure of the Oracle Certification examination but doesn't restrict itself to the exam objectives. Advanced concepts have been explained in an easy-to-understand style, supported with feature demonstrations and case illustrations.

This book covers three aspects 1: Interoperability among database versions 2: Integration of related concepts for performance 3: Creation of Golden Diary in a nutshell by practical examples These intentions have been arisen based on the burning need of database users I have come across throughout my career with roles like PL/SQL developers, Database Administrators, Designers, Data analysts, Performance tuning analysts, Architects, Students, Professors, Interviewees and any DBMS enthusiast or aspirant for oracle certification. Some of these had extensive experience in what they do and have influenced me writing this book. This is an example/research oriented book which will let you navigate between different releases of oracle using alternative approaches to derive similar functionality in different versions of database. For example "Truncate table cascade in 12c and approach prior to 12c" and "Sensitive data masking using REDACTION in 12c and prior to 12c" highlight the intention. Also this book will let you integrate related concepts so that you can ponder over different similar concepts and choose the best option to achieve the best response time and throughput. Examples like "nested loop Join or hash join or parallelism or multi-threading," "Oracle Object CACHE Using Cache or Keep buffer pool or Oracle 12c IN-MEMORY column store " and "Result cache function or deterministic function or PL/SQL collection" highlight the intention. This book will act as a reference guide for learning some very complicated concepts in a simple but precise way which are discussed through various case studies. This will give food for thought while devising mechanism for best possible approach for a database solution given the circumstances. You will learn -Comparative analysis of database features and their usages across Oracle versions -Learn to derive alternate approach for a functionality in different releases of database -Learn related concepts associated with specific challenge -Learn to choose the best approach from the set of related concepts to achieve best result -Familiarize yourself with all concepts with real life example in a nutshell -Learn how to be smart with database and surprise your colleague and boss by your solution The audience of this book would like to cover multiple versions of Oracle and the features it offers. Seeking the best approach for a challenge has not been easy in past as it required a large investment of time and effort to go through the vast amount of documentation. This 270 pages book facilitates that investment, by exploring and churning the vast archives of oracle documentation and producing the output in a nutshell which otherwise readers would need to spend time on.

A Complete Study System for OCP Exam 1Z0-063 Prepare for the Oracle Certified Professional Oracle Database 12c Advanced Administration exam with this exclusive Oracle Press guide. Each chapter features challenging exercises, a certification summary, a two-minute drill, and a self test to reinforce the topics presented. This authoritative resource helps you pass the exam and also

serves as an essential on-the-job reference. Get complete coverage of all OCP objectives for exam 1Z0-063, including:  
Configuring and managing Oracle Recovery Manager (RMAN) settings Using the Oracle RMAN recovery catalog Performing backup and recovery Diagnosing database failures and using the automatic diagnostic repository Encrypting, securing, monitoring, and tuning Oracle RMAN backups Configuring and using flashback features Transporting and copying tablespaces and databases Creating and managing multitenant container databases and pluggable databases Using the Oracle Data Pump, SQL\*Loader, and auditing features Electronic content includes: 150+ practice exam questions Test engine that provides practice exams or quizzes that can be customized by chapter or exam objective

The most trusted name in performance tuning updates his bestselling guide for the challenges of Oracle Database 11"g" + 11"g"R2, leaving no stone unturned in his pursuit of optimal tuning.

This Oracle Press certification exam guide prepares you for the new Oracle Database 12c certification track, including the core requirements for OCA and OCP certification. OCA/OCP Oracle Database 12c All-in-One Exam Guide (Exams 1Z0-061, 1Z0-062, & 1Z0-063) covers all of the exam objectives on the Installation and Administration, SQL Fundamentals, and Advanced Administration exams in detail. Each chapter includes examples, practice questions, Inside the Exam sections highlighting key exam topics, a chapter summary, and a two-minute drill to reinforce essential knowledge. 300+ practice exam questions match the format, topics, and difficulty of the real exam. Electronic content includes interactive practice exam software with hundreds of questions that include detailed answers and explanations, and a score report performance assessment tool Ideal as both exam guide and on-the-job reference The most comprehensive single preparation tool for the Oracle Database 12c OCA and OCP certification exams

"Manage and safeguard your organization's data"--Cover.

Considered the best Oracle PL/SQL programming guide by the Oracle community, this definitive guide is precisely what you need to make the most of Oracle's powerful procedural language. The sixth edition describes the features and capabilities of PL/SQL up through Oracle Database 12c Release 1. Hundreds of thousands of PL/SQL developers have benefited from this book over the last twenty years; this edition continues that tradition. With extensive code examples and a lively sense of humor, this book explains language fundamentals, explores advanced coding techniques, and offers best practices to help you solve real-world problems. Get PL/SQL programs up and running quickly, with clear instructions for executing, tracing, testing, debugging, and managing code Understand new 12.1 features, including the ACCESSIBLE\_BY clause, WITH FUNCTION and UDF pragma, BEQUEATH CURRENT\_USER for views, and new conditional compilation directives Take advantage of extensive code samples, from easy-to-follow examples to reusable packaged utilities Optimize PL/SQL performance with features like the function result cache and Oracle utilities such as PL/Scope and the PL/SQL hierarchical profiler Build modular, easy-to-maintain PL/SQL applications using packages, procedures, functions, and triggers

Master Oracle Database 12c PL/SQL Application Development Develop, debug, and administer robust database programs. Filled

with detailed examples and expert strategies from an Oracle ACE, Oracle Database 12c PL/SQL Programming explains how to retrieve and process data, write PL/SQL statements, execute effective queries, incorporate PHP and Java, and work with dynamic SQL. Code testing, security, and object-oriented programming techniques are fully covered in this comprehensive Oracle Press guide. Explore new SQL and PL/SQL features in Oracle Database 12c Build control structures, cursors, and loop statements Work with collections, varrays, tables, and associative array collections Locate and repair errors and employ exception handlers Execute black box, white box, and integration tests Configure and manage stored packages and libraries Handle security with authentication and encryption Use LOBs to store text and multimedia content Write and implement PL/SQL and Java triggers Extend functionality using dynamic SQL statements Understand object types, nested tables, and unnesting queries Este libro se dirige a todo informático que desee dominar la administración de una base de datos de Oracle.El autor repasa los conceptos, definiciones y reglas del modelo relacional y detalla su uso en el marco de las herramientas propuestas de modo estándar con Oracle Database 11g, es decir, SQL, SQL\*PLUS, PL/SQL y Java. Las técnicas de programación en PL/SQL se estudian para poder utilizar toda la potencia del servidor de bases de datos Oracle 11g así como las novedades aportadas por esta versión: columna virtual, tabla en modo sólo lectura, tabla pivotada, trigger compuesto, caché de resultado para las funciones, etc. Este libro también presenta la herramienta SQL Developer y el entorno de desarrollo de aplicación Web Oracle Application Express (APEX).Múltiples y precisos ejemplos ayudan al lector a dominar estos lenguajes de referencia en el mundo de las bases de datos relacionales. Se pueden descargar en esta página.

The book teaches the basics of the Oracle database from a beginner's perspective to the advanced concepts using a hands-on approach. Each and every concept has been elaborated with suitable practical examples along with code for clear and precise understanding of the topic. Using a practical approach, this new edition of the book covers the detailed introspection of pluggable databases and explains practically the various new features incorporated in the new 12c version. It also explains how to retrieve, add, update and delete data in the Oracle database using SQL, SQL\*PLUS and PL/SQL. In the process, it discusses the various data types and built-in functions of Oracle, as well as the sorting of records and the table operations. The text also includes coverage of advanced queries using special operators, Oracle security, indexing, and stored functions and procedures. The book is suitable for undergraduate engineering students of Computer Science and Information Technology, B.Sc. (Computer Science/IT), M.Sc. (Computer Science/IT) and students of Computer Applications (BCA, MCA, PGDCA, and DCA). Besides, the book can be used as a reference by professionals pursuing short-term courses on Oracle Database and students of Oracle Certified Courses. **KEY FEATURES** • Based on latest Oracle Database 12c: It explains the various features introduced with the new Oracle Database 12c software. • Hands-on methodology: Its objective is to impart practical skills using hands-on methodology. • Elaborate Practical Examples: Each topic begins with appropriate theory and concept followed by relevant examples for better understanding of the concepts. • Commands tested and executed on Oracle Database software: All the programming examples have been tested on actual Oracle Database software.

This book is not Oracle theory or database management system theory book. It is not Oracle programming book either. It is an Oracle DBA (Database Administrator) practice process and scripts and documentations based on author's working experiences. The readers can be people who are interested in learning knowledge on Oracle database administrations like developers working on Oracle database, Oracle DBA beginners who wants to know how to manage their Oracle database, IT managers who wants to have some concepts and knowledge on Oracle DBA jobs etc. In this book, the author provides process, scripts, tools and methods to do Oracle DBA jobs like backup/recover methods and scripts, database clone scripts, regular database maintenance like index defragmentation scripts etc in Oracle 11g and 12C and Windows Server environments.

This All-in-One study guide is targeted at IT professionals who plan to take the three exams required to become an Oracle Database 12c Administrator Certified Professional. The book provides information covering all of the exam topics for the Oracle certification exams: "1Z0-061: Oracle Database 12c: SQL Fundamentals", "1Z0-062: Oracle Database 12c: Installation and Administration", and "1Z0-063: Oracle Database 12c: Advanced Administration". The books in the Oracle Certification Prep series are built in lockstep with the test topics provided by Oracle Education's certification program. Each book is intended to provide the information that will be tested in a clean and concise format. The guides introduce the subject you'll be tested on, follow that with the information you'll need to know for it, and then move on to the next topic. They contain no drills or unrealistic self-tests to bump the page count without adding value. The series is intended to provide a concentrated source of exam information that is compact enough to be read through multiple times. This series is ideal for experienced Oracle professionals that are familiar with the topic being tested, but want a means to rapidly reinforce their existing skills and bridge any gaps in their knowledge. It is also an excellent option as a second source of information for candidates pursuing certification.

Introduce the latest version of the fundamental SQL language used in all relational databases today with Casteel's ORACLE 12C: SQL, 3E. Much more than a study guide, this edition helps those who have only a basic knowledge of databases master the latest SQL and Oracle concepts and techniques. Learners gain a strong understanding of how to use Oracle 12c SQL most effectively as they prepare for the first exam in the Oracle Database Administrator or Oracle Developer Certification Exam paths. This edition initially focuses on creating database objects, including tables, constraints, indexes, sequences, and more. The author then explores data query techniques, such as row filtering, joins, single-row functions, aggregate functions, subqueries, and views, as well as advanced query topics. ORACLE 12C: SQL, 3E introduces the latest features and enhancements in 12c, from enhanced data types and invisible columns to new CROSS and OUTER APPLY methods for joins. To help readers transition to further studies, appendixes introduce SQL tuning, compare Oracle's SQL syntax with other databases, and overview Oracle connection interface tools: SQL Developer and SQL Plus. Readers can trust ORACLE 12C: SQL, 3E to provide the knowledge for Oracle certification testing and the solid foundation for pursuing a career as a successful database administrator or developer. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version. Master the Powerful Multitenant Features of Oracle Database 12c Govern a scalable, extensible, and highly available enterprise

database environment using the practical information contained in this Oracle Press guide. Written by a team of Oracle Masters, Oracle Database 12c Release 2 Multitenant shows, step-by-step, how to deploy and manage multitenant configurations across IT frameworks of all types and sizes. Find out how to create databases, work with PDBs and CDBs, administer Oracle Net Services, and automate administrative tasks. Backup and recovery, security, and advanced multitenant options are covered in complete detail. Learn how to:

- Build high-performance multitenant Oracle databases
- Create single-tenant, multitenant, and application containers
- Establish network connections and manage services
- Handle security using authentication, authorization, and encryption
- Back up and restore your mission-critical data
- Work with point-in-time recovery and Oracle Flashback
- Move data and replicate and clone databases
- Work with Oracle's Resource Manager and Data Guard

Beginning Oracle Database 12c Administration is your entry point into a successful and satisfying career as an Oracle Database Administrator. The chapters of this book are logically organized into four parts closely tracking the way your database administration career will naturally evolve. Part 1 "Database Concepts" gives necessary background in relational database theory and Oracle Database concepts, Part 2 "Database Implementation" teaches how to implement an Oracle database correctly, Part 3 "Database Support" exposes you to the daily routine of a database administrator, and Part 4 "Database Tuning" introduces the fine art of performance tuning. Beginning Oracle Database 12c Administration provides information that you won't find in other books on Oracle Database. You'll discover not only technical information, but also guidance on work practices that are as vital to your success as are your technical skills. The author's favorite chapter is "The Big Picture and the Ten Deliverables." (It is the editor's favorite chapter too!) If you take the lessons in that chapter to heart, you can quickly become a much better Oracle database administrator than you ever thought possible. You will grasp the key aspects of theory behind relational database management systems and learn how to:

- Install and configure an Oracle database, and ensure that it's properly licensed;
- Execute common management tasks in a Linux environment;
- Defend against data loss by implementing sound backup and recovery practices; and
- Improve database and query performance.

"Este libro sobre Oracle 12c se dirige a todos los informáticos que quieran adquirir todas las competencias necesarias que le permitan dominar la gestión de una base de datos Oracle. El autor repasa los conceptos, definiciones y reglas del modelo relacional y detalla su utilización dentro del marco de las herramientas ofrecidas de manera estándar con Oracle Database 12c, es decir SQL, SQL\*PLUS, PL/SQL et Java. Se estudian las técnicas de programación en PL/SQL, con el objetivo de poder utilizar toda la potencia del servidor de base de datos Oracle 12c, así como las novedades añadidas en esta versión : tipo de datos extendidos, uso de una secuencia como valor por defecto de una columna de tipo clave primaria o identidad, secuencia de nivel de sesión, soporte de la sintaxis ANSI que permite limitar el número de filas devuelto por una consulta, definición de una función PL/SQL en la cláusula WITH de una consulta, procedimiento PL/SQL que devuelve un resultado implícito, etc. Además de todo esto, este libro presenta la herramienta SQL Developer y el entorno de desarrollo de aplicaciones Web Oracle Application Express (APEX). Muchos ejemplos concretos ayudan a adquirir el dominio de estos lenguajes de referencia en el mundo de las

bases de datos relacionales"--ENI Ediciones.

Learn how to most effectively use PL/SQL programming language with one of the most popular and widely-used software programs in large companies today -- Oracle 11g. ORACLE 11G: PL/SQL PROGRAMMING & ORACLE CD, 2E uses Oracle 11g to provide an overview of the PL/SQL programming language from a developer's perspective. The author begins with a step-by-step expanded introduction to fundamental PL/SQL concepts before progressing to the writing and testing of PL/SQL code. This edition also covers more advanced topics, such as Dynamic SQL and code tuning, as well as developments in bulk processing, compound triggers, PL/SQL compiler features and hiding source code. Updates reflect the latest Oracle 11g release with the most recent figures and examples using the user-friendly SQL Developer tool. A wealth of real-world examples, a straightforward presentation, and accompanying Oracle CD make this book is an invaluable resource in preparing for the new Oracle Certification exam or mastering the PL/SQL programming language with Oracle. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A Complete Study System for OCA Exam 1Z0-062 Prepare for the Oracle Certified Associate Oracle Database 12c Installation and Administration exam with this exclusive Oracle Press guide. Each chapter features challenging exercises, a certification summary, a two-minute drill, and a self-test to reinforce the topics presented. This authoritative resource helps you pass the exam and also serves as an essential, on-the-job reference. Get complete coverage of all OCA objectives for exam 1Z0-062, including: Installing and upgrading Oracle Database software Managing the database instance Configuring the Oracle network environment Managing database storage structures Administering user security Managing undo data and data concurrency Implementing Oracle Database auditing Performing database maintenance Managing performance and tuning SQL Managing resources using Oracle Database Resource Manager Automating tasks Moving data Performing backup and recovery Installing Oracle Grid Infrastructure for a standalone server Electronic content includes: 185+ practice exam questions with detailed answers and explanations Test engine that provides custom exams by chapter or by domain

This book is a practical step-by-step tutorial with screenshots for carrying out tasks showing you how to manage and administer your data center with Oracle Enterprise Manager. It is packed with best practices and tips that will help you benefit from the author's extensive experience of working with Oracle Enterprise Manager since at least a decade, and combined with his 25+ years IT industry experience. If you are a Data Center, IT or Database Team manager who wants to take advantage of the automation and compliance benefits of Enterprise Manager 12c Cloud Control, then Oracle Enterprise Mana.

Take Your PL/SQL Programming Skills to the Next Level Build robust database-centric PL/SQL applications quickly and effectively. Oracle Database 12c PL/SQL Advanced Programming Techniques shows you how to write and deploy Java libraries inside Oracle Database 12c, use the utl\_file and DBMS\_SCHEDULER packages, and create external tables and external procedures. Application security, performance tuning, and Oracle Database In-Memory are also covered in this Oracle Press guide. Configure, deploy, and troubleshoot Java libraries for Oracle object types Use the utl\_file package to manage unstructured

and structured data Develop and deploy Java I/O libraries and wrap them with PL/SQL Create and use external tables Implement high-speed data transfer Harden database systems and develop secure applications Manage complex schedules and jobs with the DBMS\_SCHEDULER package Optimize PL/SQL for use in performance tuning Create and deploy external procedures Implement the Oracle Database In-Memory column store feature

Design Feature-Rich PL/SQL Applications Deliver dynamic, client/server PL/SQL applications with expert guidance from an Oracle programming professional. With full coverage of the latest features and tools, Oracle Database 11g PL/SQL Programming lays out each topic alongside detailed explanations, cut-and-paste syntax examples, and real-world case studies. Access and modify database information, construct powerful PL/SQL statements, execute effective queries, and deploy bulletproof security. You'll also learn how to implement C, C++, and Java procedures, Web-enable your database, cut development time, and optimize performance. Create, debug, and manage Oracle-driven PL/SQL programs Use PL/SQL structures, delimiters, operators, variables, and statements Identify and eliminate errors using PLSQL\_WARNINGS and exception handlers Work with functions, procedures, packages, collections, and triggers Define and deploy varray, nested table, and associative array data types Handle external routines, object types, large objects, and secure files Communicate between parallel sessions using DBMS\_ALERT and DBMS\_PIPE Call external procedures through Oracle Net Services and PL/SQL wrappers Integrate internal and server-side Java class libraries using Oracle JVM Develop robust Web applications using PL/SQL Gateway and Web Toolkit

Master the Fundamentals of Oracle Database 12c Filled with easy-to-follow tutorials, this Oracle Press guide provides detailed coverage of core database concepts, the role of the administrator, and enterprise database capabilities. Oracle Database 12c: Install, Configure & Maintain Like a Professional walks you through database configuration, administration, programming, backup and recovery, and high availability. You'll get in-depth introductions to SQL and PL/SQL as well as important information on managing large databases and using Oracle's engineered systems. This essential beginner's resource features: Critical Skills--Lists of specific skills covered in each chapter Projects--Practical exercises that show how to apply the critical skills learned in each chapter Progress Checks--Quick self-assessment sections to check your progress Ask the Expert--Q&A sections filled with helpful tips Notes--Extra information related to the topic being covered Mastery Checks--Chapter-ending quizzes to test your knowledge

The definitive reference for every Oracle DBA—completely updated for Oracle Database 12c Oracle Database 12c DBA Handbook is the quintessential tool for the DBA with an emphasis on the big picture—enabling administrators to achieve effective and efficient database management. Fully revised to cover every new feature and utility, this Oracle Press guide shows how to harness cloud capability, perform a new installation, upgrade from previous versions, configure hardware and software, handle backup and recovery, and provide failover capability. The newly revised material features high-level and practical content on cloud integration, storage management, performance tuning, information management, and the latest on a completely revised security program. Shows how to administer a scalable, flexible Oracle enterprise database Includes new chapters on cloud integration, new security

capabilities, and other cutting-edge features All code and examples available online

PL/SQL (Procedural Lenguaje/SQL) es un lenguaje de programación que se utiliza para acceder y trabajar con bases de datos Oracle desde distintos entornos. PL/SQL amplía la funcionalidad del lenguaje SQL añadiendo estructuras típicas de los lenguajes procedimentales, como las variables y los tipos, las estructuras de control (bucles, órdenes IF-THEN-ELSE, etc.), los procedimientos y las funciones, los tipos de objetos y los métodos, y otras estructuras clásicas en los lenguajes de programación procedimentales. Resulta así un lenguaje robusto y potente que combina la flexibilidad de SQL con la potencia y configurabilidad de las construcciones procedimentales. El libro comienza en un nivel básico con la idea de introducir al lector paso a paso en la programación de Oracle llevándole de la mano hasta conseguir un nivel avanzado. Se comenzará mostrando la introducción de código en el entorno SQL\*Plus y el desarrollo amplio del modelo entidad-relación a través de Oracle SQL que constituye el pilar básico de la programación en las bases de datos relacionales. Así mismo, se trata de forma exhaustiva el lenguaje de programación procedimental PL/SQL de Oracle, que amplía el lenguaje estándar SQL. Se tratan los siguientes temas generales: ENTORNO DE ORACLE. DISEÑO RELACIONAL ELEMENTOS DE ORACLE PL/SQL LA ESTRUCTURA DE PL/SQL LOS BLOQUES EN PL/SQL UNIDADES LÉXICAS TIPOS (DATATYPES) Y CONVERSIONES FORMATOS CARACTERES ASCII Y EBCDIC EN ORACLE PL/SQL VARIABLES EXPRESIONES Y OPERADORES EN ORACLE PL/SQL FUNCIONES PREDEFINIDAS EN ORACLE PL/SQL ESTRUCTURAS DE CONTROL EN PL/SQL BUCLES REGISTROS, TABLAS Y MATRICES EN PL/SQL VARRAYS SQL EN PL/SQL SQL EN PL/SQL CURSORES EN PL/SQL SUBPROGRAMAS PROCEDIMIENTOS FUNCIONES PAQUETES DISPARADORES EXCEPCIONES PL/SQL DINÁMICO PL/SQL Y JAVA

Protecting Oracle Database 12c helps you solve the problem of maximizing the safety, resilience, and security of an Oracle database whilst preserving performance, availability, and integration despite ongoing and new security issues in the software. The book demonstrates, through coded examples, how you can enable the consolidation features of Oracle Database 12c without increasing risk of either internal corruption or external vulnerability. In addition, new protections not publicly available are included, so that you can see how demonstrable risk improvements can be achieved, measured, and reported through Enterprise Manager 12c. Most importantly, the challenge of privileged access control within a consolidation environment will be addressed, thus enabling a safe move to greater efficiency.

"The book starts at a basic level with the idea of introducing the reader step by step through the programming of Oracle taking him by the hand to achieve an advanced level. It will start showing the introduction of code in the SQL\*Plus environment and the extensive development of the entity-relationship through Oracle SQL which is the mainstay of programming in relational databases. Also, it is exhaustively procedural programming language PL/SQL Oracle, which extends the standard SQL language."--Cover.

Performance problems are rarely "problems" per se. They are more often "crises" during which you're pressured for results by a manager standing outside your cubicle while your phone rings with queries from the help desk. You won't have the time for a

leisurely perusal of the manuals, nor to lean back and read a book on theory. What you need in that situation is a book of solutions, and solutions are precisely what Oracle Database 12c Performance Tuning Recipes delivers. Oracle Database 12c Performance Tuning Recipes is a ready reference for database administrators in need of immediate help with performance issues relating to Oracle Database. The book takes an example-based approach, wherein each chapter covers a specific problem domain. Within each chapter are "recipes," showing by example how to perform common tasks in that chapter's domain. Solutions in the recipes are backed by clear explanations of background and theory from the author team. Whatever the task, if it's performance-related, you'll probably find a recipe and a solution in this book. Provides proven solutions to real-life Oracle performance problems Offers relevant background and theory to support each solution Gets straight to the point for when you're under pressure for results

This Study Guide is targeted at IT professionals who are working towards upgrading their existing certification to become an Oracle Database 12c Administrator Certified Associate. The book provides information covering all of the exam topics for the Oracle certification exam: "1Z0-062: Oracle Database 12c: Installation and Administration". The books in the Oracle Certification Prep series are built in lockstep with the test topics provided by Oracle Education's certification program. Each book is intended to provide the information that will be tested in a clean and concise format. The guides introduce the subject you'll be tested on, follow that with the information you'll need to know for it, and then move on to the next topic. They contain no drills or unrealistic self-tests to bump the page count without adding value. The series is intended to provide a concentrated source of exam information that is compact enough to be read through multiple times. This series is ideal for experienced Oracle professionals that are familiar with the topic being tested, but want a means to rapidly reinforce their existing skills and bridge any gaps in their knowledge. It is also an excellent option as a second source of information for candidates pursuing certification.

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