

Oracle Advanced Sql Guide

Learn how to hack systems like black hat hackers and secure them like security experts

Key Features
 Understand how computer systems work and their vulnerabilities
 Exploit weaknesses and hack into machines to test their security
 Learn how to secure systems from hackers

Book Description
 This book starts with the basics of ethical hacking, how to practice hacking safely and legally, and how to install and interact with Kali Linux and the Linux terminal. You will explore network hacking, where you will see how to test the security of wired and wireless networks. You'll also learn how to crack the password for any Wi-Fi network (whether it uses WEP, WPA, or WPA2) and spy on the connected devices. Moving on, you will discover how to gain access to remote computer systems using client-side and server-side attacks. You will also get the hang of post-exploitation techniques, including remotely controlling and interacting with the systems that you compromised. Towards the end of the book, you will be able to pick up web application hacking techniques. You'll see how to discover, exploit, and prevent a number of website vulnerabilities, such as XSS and SQL injections. The attacks covered are practical techniques that work against real systems and are purely for educational purposes. At the end of each section, you will learn how to detect, prevent, and secure systems from these attacks. What you will learn

Understand ethical hacking and the different fields and types of hackers
 Set up a penetration testing lab to practice safe and legal hacking
 Explore Linux basics, commands, and how to interact with the terminal
 Access password-protected networks and spy on connected clients
 Use server and client-side attacks to hack and control remote computers
 Control a hacked system remotely and use it to hack other systems
 Discover, exploit, and prevent a number of web application vulnerabilities such as XSS and SQL injections

Who this book is for
 Learning Ethical Hacking from Scratch is for anyone interested in learning how to hack and test the security of systems like professional hackers and security experts. This pocket reference provides quick-reference information that will help you use Oracle Corporation's extensive set of built-in functions and packages, including those new to Oracle8. Oracle's PL/SQL language is a programming language providing procedural extensions to the SQL relational database language and to an ever-growing number of Oracle development tools. Among the most useful constructs in the PL/SQL language are the built-in functions and packages. Built-in functions are constructs that operate on certain types of data (e.g., numeric, character) to return a result. By using functions, you can minimize the coding you need to do in your programs. Functions are described in detail in Steven Feuerstein's *Oracle PL/SQL Programming*; this comprehensive guide to building applications with PL/SQL has become the bible for PL/SQL developers who have raved about its completeness, readability, and practicality. Built-in functions fall into several major categories:

- Character functions:** Operate on character data. Examples include CONCAT (concatenates two strings into one), LENGTH (returns the length of a string), and REPLACE (replaces a character sequence in a string with a different set of characters).
- Date functions:** Operate on dates and supplement the DATE datatype. Examples include SYSDATE (returns the current date and time in the Oracle Server) and LAST_DAY (returns the last day in the month of the specified date).
- Numeric functions:** Operate on numeric data. Examples include CEIL (returns the smallest integer greater than or equal to the specified number) and POWER (returns a number raised to a particular power).
- LOB functions:** Operate on large object data. Examples include EMPTY_BLOB (returns an empty locator of the binary large object type) and EMPTY_CLOB (returns an empty locator of the character large object type).
- Conversion functions:** Perform explicit conversions of different types of data. Examples include TO_CHAR (converts a number or date to a string) and TO_NUMBER (converts a string to a number).
- Miscellaneous functions.** Examples include GREATEST (returns the greatest of the specified list of values) and UID (returns the user ID of the current Oracle session).

Built-in packages (collections of PL/SQL objects, such as functions, procedures, and data structures) greatly expand the scope of the PL/SQL language. These packages are described in detail in Feuerstein's and Beresiewicz's book, *Oracle Built-in Packages*. Built-in packages are built by Oracle Corporation and stored directly in the Oracle database. The functionality of the built-ins is available from any programming environment that can call PL/SQL stored procedures, including Visual Basic, Oracle Developer/2000, Oracle Application Server (for Web-based development), and, of course, the Oracle database itself. Built-in packages extend the capabilities and power of PL/SQL in many significant ways. For example: DBMS_SQL executes dynamically constructed SQL statements and PL/SQL blocks of code. DBMS_PIPE communicates between different Oracle sessions through a pipe in the RDBMS shared memory. DBMS_JOB submits and manages regularly scheduled jobs for execution inside the database. DBMS_LOB accesses and manipulates Oracle8's large objects (LOBs) from within PL/SQL programs. The book shows how to call all of the commonly used built-in functions and packages. For packages, it also shows the RESTRICT REFERENCES pragmas (needed if you call packages from a SQL statement), as well as the exceptions, constants, and data structures defined in the packages.

Structured Query Language has become the standard for generating, manipulating, and retrieving database information. The dramatic increase in the popularity of relational databases, coupled with Oracle s having the largest market share, has created a demand for programmers who can write SQL code correctly and efficiently. This book provides a systematic approach to learning SQL in Oracle. Each chapter is written in a step-by-step manner and includes examples that can be run using Oracle. Using the sample tables and data provided, readers will be able to perform the examples to gain hands-on experience with Oracle programming. Gain an understanding of basic SQL principles. Learn to generate, store, and edit SQL queries in Oracle. Develop joins, subqueries, and correlated subqueries. Work with XML and Oracle databases. Test your SQL knowledge with the exercises at the end of each chapter!"

Write powerful queries using as much of the feature-rich Oracle SQL language as possible, progressing beyond the simple queries of basic SQL as standardized in SQL-92. Both standard SQL and Oracle's own extensions to the language have progressed far over the decades in terms of how much you can work with your data in a single, albeit sometimes complex, SQL statement. If you already know the basics of SQL, this book provides many examples of how to write even more advanced SQL to huge benefit in your applications, such as:

- Pivoting rows to columns and columns to rows
- Recursion in SQL with MODEL and WITH

clauses Answering Top-N questions Forecasting with linear regressions Row pattern matching to group or distribute rows Using MATCH_RECOGNIZE as a row processing engine The process of starting from simpler statements in SQL, and gradually working those statements stepwise into more complex statements that deliver powerful results, is covered in each example. By trying out the recipes and examples for yourself, you will put together the building blocks into powerful SQL statements that will make your application run circles around your competitors. What You Will Learn Take full advantage of advanced and modern features in Oracle SQL Recognize when modern SQL constructs can help create better applications Improve SQL query building skills through stepwise refinement Apply set-based thinking to process more data in fewer queries Make cross-row calculations with analytic functions Search for patterns across multiple rows using row pattern matching Break complex calculations into smaller steps with subquery factoring Who This Book Is For Oracle Database developers who already know some SQL, but rarely use features of the language beyond the SQL-92 standard. And it is for developers who would like to apply the more modern features of Oracle SQL, but don't know where to start. The book also is for those who want to write increasingly complex queries in a stepwise and understandable manner. Experienced developers will use the book to develop more efficient queries using the advanced features of the Oracle SQL language.

A Guide for Data Administrators, Developers, and Business Analysts

Oracle 8

The Essential Reference

Your stepping stone to penetration testing

SQL

*The World's #1 Hands-On Oracle SQL Workbook—Fully Updated for Oracle 11g Crafted for hands-on learning and tested in classrooms worldwide, this book illuminates in-depth every Oracle SQL technique you'll need. From the simplest query fundamentals to regular expressions and with newly added coverage of Oracle's powerful new SQL Developer tool, you will focus on the tasks that matter most. Hundreds of step-by-step, guided lab exercises will systematically strengthen your expertise in writing effective, high-performance SQL. Along the way, you'll acquire a powerful arsenal of useful skills—and an extraordinary library of solutions for your real-world challenges with Oracle SQL. Coverage includes 100% focused on Oracle SQL for Oracle 11g, today's #1 database platform—not “generic” SQL! Master all core SQL techniques including every type of join such as equijoins, self joins, and outer joins Understand Oracle functions in depth, especially character, number, date, timestamp, interval, conversion, aggregate, regular expressions, analytical, and more Practice all types of subqueries, such as correlated and scalar subqueries, and learn about set operators and hierarchical queries Build effective queries and learn fundamental Oracle SQL Developer and SQL*Plus skills Make the most of the Data Dictionary and create tables, views, indexes, and sequences Secure databases using Oracle privileges, roles, and synonyms Explore Oracle 11g's advanced data warehousing features Learn many practical tips about performance optimization, security, and architectural solutions Avoid common pitfalls and understand and solve common mistakes For every database developer, administrator, designer, or architect, regardless of experience!*

Start developing with Oracle SQL. This book is a one-stop introduction to everything you need to know about getting started developing an Oracle Database. You'll learn about foundational concepts, setting up a simple schema, adding data, reading data from the database, and making changes. No experience with databases is required to get started. Examples in the book are built around Oracle Live SQL, a freely available, online sandbox for practicing and experimenting with SQL statements, and Oracle Express Edition, a free version of Oracle Database that is available for download. A marquee feature of Beginning Oracle SQL for Oracle Database 18c is the small chapter size. Content is divided into easily digestible chunks that can be read and practiced in very short intervals of time, making this the ideal book for a busy professional to learn from. Even just a 15–20 minute block of free time can be put to good use. Author Ben Brumm begins by helping you understand what a database is, and getting you set up with a sandbox in which to practice the SQL that you are learning. From there, easily digestible chapters cover, point-by-point, the different aspects of writing queries to get data out of a database. You'll also learn about creating tables and getting data into the database. Crucial topics such as working with nulls and writing analytic queries are given the attention they deserve, helping you to avoid pitfalls when writing queries for production use. What You'll Learn Create, update, and delete tables in an Oracle database Add, update, delete data from those database tables Query and view data stored in your database Manipulate and transform data using in-built database functions and features Correctly choose when to use Oracle-specific syntax and features Who This Book Is For Those new to Oracle who are planning to develop software using Oracle as the back-end data store. The book is also for those who are getting started in software development and realize they need to learn some kind of database language. Those who are learning software development on the side of their normal job, or learning it as a college student, who are ready to learn what a database is and how to use it also will find this book useful.

This easy-to-read book provides quick lessons on relational database terminology and normalization with very little effort. Updated for Oracle 9i, its thorough coverage of Oracle's SQL and PL/SQL and introduction to advanced SQL topics makes this a must for busy professionals. The many examples, with output shown as screenshots, provide ample opportunity for the reader to easily understand and learn to use Oracle and SQL. First introducing relational database concepts, the book covers SQL (Structured Query Language); Programming Language (the extension to SQL); and then proceeds to advanced topics, which include Oracle architecture and database administration with enterprise tools. For any IT professional who needs to understand SQL or Oracle database systems.

Explains object-oriented programming concepts, SQL, data warehousing, database design and management, and network computing architecture

SQL Certified Expert Exam Guide : (exam 1Z0-047)

Mastering the Full Power of Oracle Database

Database Systems Using Oracle

Advanced Oracle SQL Programming

A Beginner's Guide

Programming with Packages

Oracle Advanced PL/SQL Developer Professional Guide, Second Edition Packt Publishing

It's impossible to tune an Oracle database without understanding SQL tuning. Oracle is a SQL processing engine and the execution speed of any SQL query is influenced by many factors, both internal and external. As a declarative data access method, SQL relies on the Oracle cost-based optimizer to always choose the "best" execution plan for every SQL query. However, Oracle's SQL is among the most flexible and robust in the world, and along with this great power comes complexity. Tuning Oracle SQL is the single most important skill of any Oracle professional, and Oracle professionals are challenged to create SQL statements that will support thousands of concurrent executions with sub-second response time. "Advanced Oracle SQL Tuning" is a pragmatic treatment of Oracle SQL tuning, short on theory and big on real-world techniques and tips. This book is the culmination of the author's 25 years of full-time DBA experience and he shares expert tips and secrets for hyper charging SQL execution speed. This book covers advanced topics and it is not appropriate for beginners, dilettantes or neophytes.

If you have mastered the fundamentals of the PL/SQL language and are now looking for an in-depth, practical guide to solving real problems with PL/SQL stored procedures, then this is the book for you.

The authors have revised and updated this bestseller to include both the Oracle8i and new Oracle9i Internet-savvy database products.

Oracle SQL

The Expert Guide to SQL Programming

The Expert Guide to Writing Complex Queries

Advanced Oracle SQL Tuning

Oracle SQL and PL/SQL Handbook

Murach's Oracle SQL and PL/SQL for Developers

*Designed To Exploit Oracle 10G's SQL, This Book Takes A Comprehensive Look At Oracle 10G's Analytical Functions, MODEL Statements, And Regular Expressions. In Addition, The Book Covers Collection Objects And Object-Oriented Structures And Introduces New Oracle 10G Topics Such As XML And Statistical Functions. The Authors' Logical And Developmental Approach To Query Building Includes A Review Of Older Oracle Tools To Help In The Transition To Newer Material. This Text Will Teach The Reader How To Format Result Sets With SQL*Plus Reporting Tools; Use Aggregate Functions For Partitioning, Ordering, And Reporting; Perform Calculations With The MODEL Statement; Search Within Strings Using Regular Expressions; Work With Collection Objects; Handle XML Within SQL.*

The fourth edition of this popular pocket guide provides quick-reference information that will help you use Oracle's PL/SQL language, including the newest Oracle Database 11g features. It's a companion to Steven Feuerstein and Bill Pribyl's bestselling Oracle PL/SQL Programming. This concise guide boils down the most vital PL/SQL information into an accessible summary of: Fundamental language elements (e.g., block structure, datatypes, declarations) Statements for program control, cursor management, and exception handling Records, procedures, functions, triggers, and packages Calling PL/SQL functions in SQL Compilation options, object-oriented features, collections, and Java integration The new edition describes such Oracle Database 11g elements as PL/SQL's function result cache, compound triggers, the CONTINUE statement, the SIMPLE_INTEGER datatype, and improvements to native compilation, regular expressions, and compiler optimization (including intra-unit inlining). In addition, this book now includes substantial new sections on Oracle's built-in functions and packages. When you need answers quickly, the Oracle PL/SQL Language Pocket Reference will save you hours of frustration.

SQL (Structured Query Language), the heart of a relational database management system, is the language used to query the database, to create new tables in the database, to update and delete fields, and to set access privileges. Aimed at everyone who needs to access an Oracle database using SQL, including developers, DBAs, designers, and managers, this book delivers all the information they need to know about standard SQL, and Oracle's extensions to it.

Oracle PL/SQL is undoubtedly one of the most versatile and high performance yielding database languages of all time with many different methods for obtaining a single result. This comprehensive guide to Oracle PL/SQL will be a handy reference for all Oracle professionals who write PL/SQL code in their daily life. This book will direct the reader through the unused and unknown yet powerful techniques which can be used in a regular manner in application development. This book takes complex technical tasks and explains them in an easily understandable method.

SQL Cookbook

Learning SQL

A Problem-Solution Approach

Oracle and PL/SQL Recipes

Oracle PL/SQL Built-ins Pocket Reference

Practical Guide to Using SQL in Oracle

Provides information on advanced Oracle SQL techniques for creating complex queries and extracting and summarizing data from large tables.

SQL is a widely used to access most databases, therefore database developers and system administrators should be familiar with it. This hands-on SQL book will help beginner and intermediate users to write queries that apply complex conditions on a table. The book's unique side by side approach makes it easy for the reader to learn three major query languages in the IT industry. The author has over 20 years of experience in database

design. KEY FEATURES: Contains numerous practical screenshots of Oracle SQL, T-SQL, MySQL statements and results. Shows the differences between Oracle SQL, T-SQL and MySQL side by side. Gives a real world experience for SQL developers and database administrators. Sample data is available to work on (available on our website). Introducing the latest PL/SQL features of Oracle8i, this detailed manual discusses autonomous transactions, invoker rights, native dynamic SQL, system-level database triggers, access control, and other valuable topics and provides one hundred files of reusable source code and examples on diskette. Original. (Intermediate) This integrated learning solution teaches all the Oracle PL/SQL skills you need, hands-on, through real-world labs, extensive examples, exercises, and projects! Completely updated for Oracle 11g, Oracle PL/SQL by Example , Fourth Edition covers all the fundamentals, from PL/SQL syntax and program control through packages and Oracle 11g's significantly improved triggers. One step at a time, you'll walk through every key task, discovering the most important PL/SQL programming techniques on your own. Building on your hands-on learning, the authors share solutions that offer deeper insights and proven best practices. End-of-chapter projects bring together all the techniques you've learned, strengthening your understanding through real-world practice. This book's approach fully reflects the authors' award-winning experience teaching PL/SQL programming to professionals at Columbia University. New database developers and DBAs can use its step-by-step instructions to get productive fast; experienced PL/SQL programmers can use this book as a practical solutions reference. Coverage includes • Mastering basic PL/SQL concepts and general programming language fundamentals, and understanding SQL's role in PL/SQL • Using conditional and iterative program control techniques, including the new CONTINUE and CONTINUE WHEN statements • Efficiently handling errors and exceptions • Working with cursors and triggers, including Oracle 11g's powerful new compound triggers • Using stored procedures, functions, and packages to write modular code that other programs can execute • Working with collections, object-relational features, native dynamic SQL, bulk SQL, and other advanced PL/SQL capabilities • Handy reference appendices: PL/SQL formatting guide, sample database schema, ANSI SQL standards reference, and more

Oracle Advanced PL/SQL Developer Professional Guide, Second Edition

Learn Ethical Hacking from Scratch

Oracle SQL*Plus

Practical Guide for Oracle SQL, T-SQL and MySQL

Advanced SQL : Student Guide

Learning Oracle PL/SQL

Oracle PL/SQL Recipes is your go to book for PL/SQL programming solutions. It takes a task-oriented approach to PL/SQL programming that lets you quickly look up a specific task and see the pattern for a solution. Then it's as simple as modifying the pattern for your specific application and implementing it. And you're done and home for dinner. Oracle PL/SQL Recipes is another in Apress' ongoing series of recipe books aimed at Oracle practitioners. The recipe format is ideal for the busy professional who just needs to get the job done. Covers the most common PL/SQL programming problems Presents solutions in ready-to-use format Stays short and to-the-point

In this book, Steven Feuerstein, widely recognized as one of the world's experts on the Oracle PL/SQL language, distills his many years of programming, writing, and teaching about PL/SQL into a set of PL/SQL language "best practices"--rules for writing code that is readable, maintainable, and efficient. Too often, developers focus on simply writing programs that run without errors--and ignore the impact of poorly written code upon both system performance and their ability (and their colleagues' ability) to maintain that code over time. Oracle PL/SQL Best Practices is a concise, easy-to-use reference to Feuerstein's recommendations for excellent PL/SQL coding. It answers the kinds of questions PL/SQL developers most frequently ask about their code: How should I format my code? What naming conventions, if any, should I use? How can I write my packages so they can be more easily maintained? What is the most efficient way to query information from the database? How can I get all the developers on my team to handle errors the same way? The book contains 120 best practices, divided by topic area. It's full of advice on the program development process, coding style, writing SQL in PL/SQL, data structures, control structures, exception handling, program and package construction, and built-in packages. It also contains a handy, pull-out quick reference card. As a helpful supplement to the text, code examples demonstrating each of the best practices are available on the O'Reilly web site. Oracle PL/SQL Best Practices is intended as a companion to O'Reilly's larger Oracle PL/SQL books. It's a compact, readable reference that you'll turn to again and again--a book that no serious developer can afford to be without. This indispensable SQL reference book is the first of its kind to leverage the benefits of design patterns to relational database SQL queries; all common SQL structures and design patterns are clearly categorized and described. Emphasizing the theoretical foundation for almost every type of SQL query problem, accompanying figures are included to help visualize the problem. Because SQL is a declarative language there are many ways to write any SQL query and professional database programmers must understand the correct way to write SQL for complicated database queries, and managers must institute formal SQL coding standards to improve productivity and maintainability. The SQL design patterns in this resource greatly improve the quality and productivity of systems development projects by forming a "best practices" foundation for all relational database queries.

*Are you thinking about learning SQL, but not sure where to start? Big data is prevalent now, with more data than we ever dreamed possible being made available . And all that data needs to be stored in such a way it can be easily accessed. That's where databases and SQL come in, providing the means to manage and interpret data easily. SQL is the go-to language for database management, the most reliable and widely used, and it's showing no signs of losing its popularity. This SQL guide for beginners covers all the basics you need to know about working with data and databases. The book is divided into six parts and includes instructions on downloading a sample database to work with throughout. In this guide, you will learn: * How to install SQL Oracle * How to query data * How to sort and filter tables * Using the SELECT statement * Using the ORDER BY and WHERE clauses * Oracle operators * All the different Oracle Joins, including INNER, OUTER, LEFT, RIGHT, and more If you are interested in learning SQL, this is the best place to begin and set yourself on course to become a master SQL programmer. Do you use SQL at work or at home and want to learn how to use the right functions and queries to extract the relevant details in the database? Do you want to learn how to generate the right views and more? If you answered yes, then you are in the right place. Many companies collect information from different sources and use that information to improve their revenue. It is difficult to work with large volumes of data, but companies have to learn how to collect that information in data warehouses or databases. Only when the data is stored can it be analyzed and used to improve business decisions. If you are using SQL for the first time, then this book is for you. You can use it as your guide through the various and needed aspects of querying. In this book, you will learn more about the language and how you can use it to extract the necessary information from the dataset. You will learn about: [?] SQL and its benefits [?] Various data types used in SQL [?] How to manage and retrieve the relevant objects and data from the database [?] Common mistakes and how to overcome them [?] How to protect the database from hacking [?] Using Joins, Subqueries, and Set Operators [?] And more! If you want to master SQL, then a little practice is required. Use the examples and exercises in this book to improve your skills and learn how to build complex SQL queries. So, what are you waiting for? Grab a copy of this book now! Many companies worldwide suffer from one fundamental problem, and that is the inefficient functioning of their databases. While many know of database tuning and work to cover that aspect, professional database developers, managers, and administrators always miss one thing: optimizing their queries to save maximum time and cost and provide the query efficiently. Here are some ways this book will prove beneficial for readers of all types, e.g., database*

*administrators, teachers, students, or people genuinely interested in databases: * This book is free of any sort of jargon and complex discussions. The simple language aims to make it accessible to and implementable for people of all backgrounds. * This book uses a very balanced approach. Too much time is not given to concepts that may be irrelevant, nor is anything missed out (purposefully) that may be of substantial importance to the readers. By the end of this book, readers will have a greater understanding of databases and understand all the considerations of efficient use of databases. Take your database career to the next level!*

Pro Oracle SQL

Advanced Oracle PL/SQL

From Novice to Professional

Oracle 9i

Advanced Plsql Programming

Practical Oracle SQL

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.

Explores Oracle's implementation of SQL and explains how to perform tasks including querying time-based data, implementing conditional logic in queries, writing queries, and joining data from two or more tables.

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.

A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

Oracle SQL by Example

Advanced SQL Functions in Oracle 10g

The Definitive Reference

A Guide to Oracle's PL/SQL Language Fundamentals

Practical Solutions

OCA Oracle Database

CD-ROM contains: Practice database -- Sample scripts reference in text.

An interactive guide to Oracle's intensive query tool, SQL* Plus, discusses its powerful features, furnishes a syntax quick reference, and explains how to write and execute script files, generate reports, extract data from the database, utilize new administrative features, query data dictionary tables, and more. Original. (Intermediate)

Provides quick-reference information that will help you use Oracle's PL/SQL language, including the newest Oracle Database 10g features. This is a companion to Steven Feuerstein and Bill Pribyl's Oracle PL/SQL Programming.

The OCP certification is the second milestone for the experienced associate level Oracle professionals which enhances one's credibility in work environment, and catalyzes your employment opportunities. The Packt's book Oracle Advanced PL/SQL Developer Professional Guide helps you to master the advanced PL/SQL concepts in Oracle 11g. The book aims to be a sure selection for the experienced Oracle professionals aspiring for Professional level by writing Oracle certification exam "1Z0-146: Oracle Database 11g: Advanced PL/SQL". The topics covered in the book are in line with the Oracle University prescription for 1Z0-146 certification, which justify the version updates to be advanced and not complex. The book has been reviewed by Oracle ACEs Kamran Agayev, Ronald Rood, Mohan Dutta, and Marcel Hoefs. The book covers the advanced features of PL/SQL which are required to design and optimize the PL/SQL code in database applications. The features like collections, external procedures, server side result caching, enforce row level security using VPD, handling large objects and SecureFiles build up a concrete platform for a PL/SQL professional. Apart from the programming, the book makes instrumental recommendations on the usage of development tool SQL Developer, employing best practices in database environments and safeguarding the vulnerable areas in PL/SQL code to avoid code injection.

Oracle PL/SQL Programming

Oracle PL/SQL by Example

SQL Design Patterns

Beginning Oracle SQL for Oracle Database 18c

Master SQL Fundamentals

Advanced Oracle PL/SQL Developer's Guide

Updated for the latest database management systems -- including MySQL 6.0, Oracle 11g, and Microsoft's SQL Server 2008 -- this introductory guide will get you up and running with SQL quickly. Whether you need to write database applications, perform administrative tasks, or generate reports, Learning SQL, Second Edition, will help you easily master all the SQL fundamentals. Each chapter presents a self-contained lesson on a key SQL concept or technique, with numerous illustrations and annotated examples. Exercises at the end of each chapter let you practice the skills you learn. With this book, you will: Move quickly through SQL basics and learn several advanced features Use SQL data statements to generate, manipulate, and retrieve data Create database objects, such as tables, indexes, and constraints, using SQL schema statements Learn how data sets interact with queries, and understand the importance of subqueries Convert and manipulate data with SQL's built-in functions, and use conditional logic in data statements Knowledge of SQL is a must for interacting with data. With Learning SQL, you'll quickly learn how to put the power and flexibility of this language to work.

This book is packed with real world examples that cover all the advanced features of PL/SQL. In turn, each major certification topic is covered in a separate chapter that makes understanding concepts easier. At the end of each chapter, you will find plenty of practice questions to strengthen and test your learning. If you are a PL/SQL developer looking for deeper insight and a move from mid-level programmer to professional database developer, then this is the best guide for you. This book is also an ideal guide for all the Associate level PL/SQL programmers who are preparing for the Professional 1Z0-146 certification. This book assumes you have prior knowledge of PL/SQL programming.

PL/SQL, Oracle's programming language for stored procedures, delivers a world of possibilities for your database programs. PL/SQL supplements the standard relational database language, SQL, with a wide range of procedural features, including loops, IF-THEN statements, advanced data structures, and rich transactional control--all closely integrated with the Oracle database server. Knowing where to start with Oracle's procedural language is not always obvious to a newcomer, especially considering the language's feature set and the sheer size of the official documentation (not to mention Oracle's ever-increasing number of pre-built PL/SQL programs). But Learning Oracle PL/SQL offers the signposts and guidance you need to come up to speed on the language, delivered in a manageable number of pages while covering all the essentials. Topics include: PL/SQL--what is it, and why use it? Why use PL/SQL instead of Java? Syntax and examples of all core language constructs Creating, using, and reusing stored procedures, functions, and packages Building web-based applications using PL/SQL features available "out of the box" (such as PL/SQL Server Pages) Securing PL/SQL programs against attack Benefits of third-party developer tools and integrated development environments Connecting PL/SQL to email, Java, and the Internet Meticulously crafted with all-new examples downloadable from examples.oreilly.com/learnoracle, the book addresses language features available in all versions of Oracle, from Oracle7 to Oracle8i to Oracle9i. Learning Oracle PL/SQL was written by PL/SQL experts Bill Pribyl and Steven Feuerstein, whose easy-to-read style and attention to detail has made other O'Reilly books (such as the bestselling Oracle PL/SQL Programming) very popular among Oracle developers worldwide. Learning Oracle PL/SQL is meant for a wide range of target audiences, including both beginning programmers and those already experienced with other programming languages. Whether you are a new developer, a crossover programmer from another database system, or a new database administrator who needs to learn PL/SQL, this book will get you well on your way. It is the perfect introduction to Oracle PL/SQL Programming, also by Pribyl and Feuerstein.

Murach's Oracle SQL and PL: SQL for Developers By Joel Murac

The Definitive Guide

Optimizing Oracle Code

Guide to Oracle8i Features

Oracle PL/SQL Best Practices

Mastering Oracle PL/SQL

Mastering Oracle SQL

Demonstrates how to construct and properly build PL/SQL packages, providing a full-use shareware version of PL/Vision and a library of dozens of packages written by the author on the companion disk. Original. (Advanced).

Pro Oracle SQL unlocks the power of SQL in the Oracle Database—one of the most potent SQL implementations on the market today. To master it requires a three-pronged approach: learn the language features, learn the supporting features that Oracle provides to help use the language effectively, and learn to think and work in sets. Karen Morton and her team help you master powerful aspects of Oracle SQL not found in competing databases. You'll learn analytic functions, the MODEL clause, and advanced grouping syntax—features that will help in creating good queries for reporting and business intelligence applications. Pro Oracle SQL also helps you minimize parsing overhead, read execution plans, test for correct results, and exert control over SQL execution in your database. You'll learn when to create indexes, how to verify that they make a difference, how to use SQL Profiles to optimize SQL in packaged applications, and much more. You'll also understand how SQL is optimized for working in sets, and that the key to getting accurate results lies in making sure that queries ask clear and precise questions. What's the bottom-line? Pro Oracle SQL helps you work at a truly professional level in Oracle dialect of SQL. You'll master the language, the tools to work effectively with the language, and the right way to think about a problem in SQL. Pro Oracle SQL helps you rise above the crowd to provide stellar service in your chosen profession. Endorsed by the OakTable Network, a group of Oracle technologists well-known for their rigorous and scientific approach to Oracle Database performance Comprehensive—goes beyond the language with a focus on what you need to know to write successful queries and data manipulation statements.

Oracle Advanced PL/SQL Developer Professional Guide

Oracle PL/SQL Language Pocket Reference

This Book Includes : Learn SQL Basics for Beginners + Build Complex SQL Queries + Advanced SQL Query Optimization Techniques

A Simplified Guide to SQL and PL/SQL