

Introduction To Oracle 10g Pl Sql Student Guide Cfilms

This book has been written by giving enormous simple examples of each feature so it is easily understandable for new developers, there are many advance features that most of the conventional books ignore so it is equally beneficial to the experts. There are more than 400 practical examples, which are being given by the author by keeping in mind the practical problems he himself faced. This book is very useful for the person, who wants to work as an oracle developer, working developer who wants to extend his knowledge and professional or student who intend to give OCP exam.

Obtain the solid foundation you need to become an effective database programmer with this nuts-and-bolts PS/SQL book from Oracle Press. Step-by-step coverage includes storing, retrieving, and manipulating data, and a broad range of SQL and PL/SQL functions and tools. Real-life examples and hands-on projects help you see how to apply what you have learned. Beginning Oracle SQL is your introduction to the interactive query tools and specific dialect of SQL used with Oracle Database. These tools include SQL*Plus and SQL Developer. SQL*Plus is the one tool any Oracle developer or database administrator can always count on, and it is widely used in creating scripts to automate routine tasks. SQL Developer is a powerful, graphical environment for developing and debugging queries. Oracle's is possibly the most valuable dialect of SQL from a career standpoint. Oracle's database engine is widely used in corporate environments worldwide. It is also found in many government applications. Oracle SQL implements many features not found in competing products. No developer or DBA working with Oracle can afford to be without knowledge of these features and how they work, because of the performance and expressiveness they bring to the table. Written in an easygoing and example-based style, Beginning Oracle SQL is the book that will get you started down the path to successfully writing SQL statements and getting results from Oracle Database. Takes an example-based approach, with clear and authoritative explanations

Introduces both SQL and the query tools used to execute SQL statements Shows how to create tables, populate them with data, and then query that data to generate business results What you'll learn Create database tables and define their relationships. Add data to your tables. Then change and delete that data. Write database queries that generate accurate results. Avoid common traps and pitfalls in writing SQL queries, especially from nulls. Reap the performance and expressiveness of analytic and window functions. Make use of Oracle Database's support for object types. Write recursive queries to query hierarchical data. Who this book is for Beginning Oracle SQL is aimed at developers and database administrators who must write SQL statements to execute against an Oracle database. No prior knowledge of SQL is assumed. Table of Contents 1. Relational Database Systems and Oracle 2. Introduction to SQL and SQL*Plus, and SQL Developer 3. Data Definition, Part I 4. Retrieval: The Basics 5. Retrieval: Functions 6. Data Manipulation 7. Data Definition, Part II 8. Retrieval: Joins and Grouping 9. Retrieval: Advanced Features 10. Views 11. Automating 12. Object-Relational Features 13. Appendix A – Case Tables 14. Appendix B – Exercise Solutions

Professional Oracle Programming is designed to teach programmers how to use Oracle data and data structures to build effective, robust, and scalable software applications. The book will teach developers how to leverage Oracle's strengths, both in terms of logical functionality and operations. The book assumes that the reader is an experienced developer with basic knowledge of Oracle, Java, and SQL. Since Java is the most commonly used language for Oracle database applications, all examples will be written in Java. Many of the sample applications will also employ SQL and PL/SQL extensively, reflecting the fact that SQL is the primary data access language for Oracle databases.

· Oracle Architecture and Storage· Using SQL· Handling Multiple Users· Database Design Basics· Oracle Security· The Oracle Data Dictionary· Installing Oracle· Introduction to SQL· Extended SQL· Indexes· Constraints· Other

Database Structures· Functions· Distributed Queries, Transactions, and Databases· PL/SQL Basics· PL/SQL and SQL· PL/SQL Packages· Introduction to Java Database Programming· Triggers· Regular Expressions and Expression Filter· Object Relational Interactions with Oracle· Oracle XML DB· HTML-DB· High-Speed Data Movement· Data Loading and Management· Business Intelligence Query· Business Intelligence Analysis· Optimization

An enormous system comprising myriad technologies, options, and releases, Oracle's complexities have spawned numerous areas of specialization. For each area of specialization there are equally specialized how-to books and manuals. O'Reilly's Oracle Essentials claims a unique place among these books. Rather than focusing on one area, the book explains the foundational concepts of the Oracle technology and the core technical and business aspects of using it. The new edition of this classic book, Oracle Essentials, 3rd Edition: Oracle Database 10g, distills a vast amount of knowledge into an easy-to-read volume covering every aspect of the Oracle database. Readers of all levels will learn about Oracle's features and technologies, including the product line, architecture, data structures, networking, concurrency, tuning, and much more. Featuring focused text, abundant illustrations, and helpful hints, the new edition offers a valuable overview of Oracle's Database 10g--the industry's first database to support grid computing. Recent releases such as Oracle 9i and 8i are also covered. The book contains chapters on: Oracle products, options, and overall architecture for Oracle 10g and prior recent releases Installing and running Oracle: how to configure, start up, and shut down the database, and various networking issues Oracle data structures, datatypes, and ways of extending datatypes, with an introduction to Oracle objects (e.g., tables, views, indexes) Managing Oracle: security, the Oracle Enterprise Manager, fragmentation and reorganization, and backup and recovery Oracle performance: characteristics of disk, memory, and CPU tuning Multi-user concurrency, online transaction processing (OLTP), and high availability Hardware architectures (e.g., SMP, MPP, NUMA) and their impact on Oracle Data warehousing and distributed databases Network deployment: using Oracle as an Internet computing platform and for grid computing What's new in Oracle 10g: a summary of the database changes described in the book Oracle Essentials, 3rd Edition: Oracle Database 10g was written for anyone whose job involves managing or building systems using Oracle DBMS technology or working with staff that uses Oracle technology. This book is the perfect all-in-one source for understanding the complexities and capabilities of Oracle.

Oracle 10g Developing Media Rich Applications is focused squarely on database administrators and programmers as the foundation of multimedia database applications. With the release of Oracle8 Database in 1997, Oracle became the first commercial database with integrated multimedia technology for application developers. Since that time, Oracle has enhanced and extended these features to include native support for image, audio, video and streaming media storage; indexing, retrieval and processing in the Oracle Database, Application Server; and development tools. Databases are not only words and numbers for accountants, but they also should utilize a full range of media to satisfy customer needs, from race car engineers, to manufacturing processes to security. The full range of audio, video and integration of media into databases is mission critical to these applications. This book details the most recent features in Oracle's multimedia technology including those of the Oracle10gR2 Database and the Oracle9i Application Server. The technology covered includes: object relational media storage and services within the database, middle tier application development interfaces, wireless delivery mechanisms, and Java-based tools. * Gives broad coverage to integration of multimedia features such as audio and instrumentation video, from race cars to analyze performance, to voice and picture recognition for security data bases. As well as full multimedia for presentations * Includes field tested examples in enterprise environments * Provides coverage in a thorough and clear fashion developed in a London University Professional Course

Master Oracle's most recent database with this hands-on, step-by-step approach to teaching Oracle10g and application development tools.

This course is the follow-up to Oracle Database 10g: Introduction to SQL, Part I (ISBN 1-4188-1101-7). It provides coverage of advanced subjects and techniques pertaining to the SQL database language.

Publisher's Note: Products purchased from Third Party sellers are not guaranteed by the publisher for quality, authenticity, or access to any online entitlements included with the product. Create and debug next-generation, feature-rich PL/SQL applications Push your PL/SQL programming skills to the next level with the extensive information contained in this volume. You'll learn how to write dynamic PL/SQL programs, interface with Oracle databases, execute complex calculations, and handle error conditions using advanced techniques. Plus, you'll get the latest on the PL/SQL Toolkit, Java integration, code threading, and performance optimizing. Oracle professionals Ron Hardman and Michael McLaughlin cover all the bases, providing real-world examples, undocumented tricks, syntax samples, and unique solutions for every topic. Compile high performance PL/SQL scripts using procedures, functions, packages and triggers Trap, trace, identify, and eliminate compile-time and runtime errors Manage error propagation, stacks, regular expressions, and metacharacters Exploit definer's-rights and invoker's-rights architectures Extend PL/SQL functionality using server-side and internal Java class libraries Build and run parallel PL/SQL program units using DBMS_JOB and DBMS_PIPE Exploit definer's-rights and invoker's-rights architectures Tune performance using statistics gathering, the PL/SQL optimizer, SQL Trace, DBMS_STATS, and TKPROF Use Oracle Text with PL/SQL Server Pages to perform theme/gist extraction, highlighting, stemming, fuzzy, and wildcard searching Administer server-side PL/SQL Toolkit web pages and PL/SQL Server Pages Secure, encrypt, and transmit data using DBMS_CRYPT, UTL_COMPRESS, DBMS_DATAPUMP, and DBMS_FILE_TRANSFER

"Installing, Upgrading and Maintaining Oracle E-Business Suite Applications Release 11.5.10+" is OnCallDBA and Solution Beacon's latest collaboration. Topics include Release 11i Concepts and Architecture, Oracle10g, Installing Release 11i, Upgrading or Migrating to Release 11i, Maintaining Release 11i, Administering Release 11i, Securing Release 11i, Setting Up the Concurrent Manager, Using the Concurrent Manager, Release 11i Reporting, and Tuning and Troubleshooting. Co-authored by Barbara Matthews, John Stouffer, Randy Giefer, Karen Brownfield, Jeff Holt, James Morrow, Bruno Coon, Tim Sharpe and Faun deHenry, this book covers Oracle10g and E-Business Release 11.5.10+

Get a thorough understanding of Oracle Database 10g from the most comprehensive Oracle database reference on the market, published by Oracle Press. From critical architecture concepts to advanced object-oriented concepts, this powerhouse contains nearly 50 chapters designed to enlighten you. Upgrade from earlier versions, use SQL, SQL Plus, and PL/SQL. Get code examples and access popular documentation PDFs--plus a full electronic copy of the book on the included CD-ROM. Go beyond the basics and learn security, text searches, external tables, using Java in Oracle, and a great deal more.

PL/SQL, Oracle's powerful procedural language, has been the cornerstone of Oracle application development for nearly 15 years. Although primarily a tool for developers,

PL/SQL has also become an essential tool for database administration, as DBAs take increasing responsibility for site performance and as the lines between developers and DBAs blur. Until now, there has not been a book focused squarely on the language topics of special concern to DBAs Oracle PL/SQL for DBAs fills the gap. Covering the latest Oracle version, Oracle Database 10g Release 2 and packed with code and usage examples, it contains: A quick tour of the PL/SQL language, providing enough basic information about language fundamentals to get DBAs up and running Extensive coverage of security topics for DBAs: Encryption (including both traditional methods and Oracle's new Transparent Data Encryption, TDE); Row-Level Security(RLS), Fine-Grained Auditing (FGA); and random value generation Methods for DBAs to improve query and database performance with cursors and table functions Coverage of Oracle scheduling, which allows jobs such as database monitoring and statistics gathering to be scheduled for regular execution Using Oracle's built-in packages (DBMS_CRYPTO, DBMS_RLS, DBMS_FGA, DBMS_RANDOM, DBMS_SCHEDULING) as a base, the book describes ways of building on top of these packages to suit particular organizational needs. Authors are Arup Nanda, Oracle Magazine 2003 DBA of the Year, and Steven Feuerstein, the world's foremost PL/SQL expert and coauthor of the classic reference, Oracle PL/SQL Programming. DBAs who have not yet discovered how helpful PL/SQL can be will find this book a superb introduction to the language and its special database administration features. Even if you have used PL/SQL for years, you'll find the detailed coverage in this book to be an invaluable resource.

Oracle PL/SQL Programmierung O'Reilly Verlag DE Oracle PL/SQL Programming "O'Reilly Media, Inc."

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

"This fifth edition is principally rewritten, and includes all new examples and coverage of advanced topics like object oriented programming with PL/SQL, external routines, job scheduling, and more. This book covers both introductory and advanced material, and provides complete coverage of the PL/SQL language including new 10g features"--Introduction.

PL/SQL is an extension of SQL for the Oracle Database. Learn PL/SQL in 1 Day serves

as beginner guide for a crash course in PL/SQL development. The book contains tons of examples that prepare you for real-world development project. This book is considered the best Oracle PL/SQL programming guide by the Oracle community. The books gives clear instructions for executing, tracing, testing, debugging, and managing PL/SQL code. Here is what you will learn Chapter 1: What Is PL/SQL? Introduction & Architecture Chapter 2: SQL Vs PL/SQL Vs T-SQL: Key Differences Chapter 3: PL/SQL Block: STRUCTURE, Syntax, ANONYMOUS Example Chapter 4: PL/SQL First Program: Hello World Example Chapter 5: Oracle PL/SQL Data Types: Character, Number, Boolean, Date, LOB Chapter 6: Oracle PL/SQL Variable Identifiers Tutorial with Examples Chapter 7: Oracle PL/SQL Collections: Varrays, Nested & Index by Tables Chapter 8: Oracle PL/SQL Records Type with Examples Chapter 9: Oracle PL/SQL IF THEN ELSE Statement: ELSIF, NESTED-IF Chapter 10: Oracle PL/SQL: CASE Statement with Examples Chapter 11: Oracle PL/SQL LOOP with Example Chapter 12: Oracle PL/SQL FOR LOOP with Example Chapter 13: Oracle PL/SQL WHILE LOOP with Example Chapter 14: Oracle PL/SQL Stored Procedure & Functions with Examples Chapter 15: Oracle PL/SQL Exception Handling: Examples to Raise User-defined Exception Chapter 16: Oracle PL/SQL Insert, Update, Delete & Select Into [Example] Chapter 17: Oracle PL/SQL Cursor: Implicit, Explicit, Cursor FOR Loop [Example] Chapter 18: Oracle PL/SQL BULK COLLECT: FORALL Example Chapter 19: Autonomous Transaction in Oracle PL/SQL: Commit, Rollback Chapter 20: Oracle PL/SQL Package: Type, Specification, Body [Example] Chapter 21: Oracle PL/SQL Trigger Tutorial: Instead of, Compound [Example] Chapter 22: Oracle PL/SQL Object Types Tutorial with EXAMPLES Chapter 23: Oracle PL/SQL Dynamic SQL Tutorial: Execute Immediate & DBMS_SQL Chapter 24: Nested Blocks & Variable Scope in Oracle PL/SQL Tutorial [Example]

* First book on the market that covers building high-performance Java applications on the Oracle database—using the latest versions of both the Oracle database (10g) and the JDBC API (3.0). * Promotes and explains an "anti black box" approach to Oracle development complete with benchmark code) that will allow developers to write highly efficient, high performance Oracle JDBC applications. * A new book from the prestigious OakTable Press, which Apress will be strongly promoting and supporting throughout 2004.

This book addresses the web services arena with a specific agenda of providing information right from covering the fundamental aspects to its deployment and implementation issues. The content is introductory in nature, and covers not only the technology aspects, but also highlights the application scenarios across the industry. In order to illustrate the potential of web services, a case study exemplifying the Financial and Banking Services industry has been chosen for presentation the book.

First to market! Here is a comprehensive book that shows how to get the most from Oracle's newest tool--HTML DB.

"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 leved. 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.

The Definitive Guide to Oracle Database 11g Get full details on the powerful features of Oracle Database 11g from this thoroughly updated Oracle Press guide. Oracle Database 11g: The Complete Reference explains how to use all the new features and tools, execute powerful SQL queries, construct PL/SQL and SQL*Plus statements, and work with large objects and object-relational databases. Learn how to implement the latest security measures, tune database performance, and deploy grid computing techniques. An invaluable cross-referenced appendix containing Oracle commands, keywords, features, and functions is also included. Install Oracle Database 11g or upgrade from an earlier version Create database tables, sequences, indexes, views, and user accounts Construct SQL statements, procedures, queries, and subqueries Optimize security using virtual private databases and transparent data encryption Import and export data using SQL*Loader and Oracle Data Pump Use SQL replay, change management, and result caching Avoid human errors using flashback and automatic undo management Build and tune PL/SQL triggers, functions, and packages Develop database applications using Java, JDBC, and XML Optimize availability and scalability with Oracle Real Application Clusters

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. PL/SQL is an extension of SQL for the Oracle Database. Learn PL/SQL in 1 Day serves as beginner guide for a crash course in PL/SQL development. The book contains tons of examples that prepare you for real-world development project. This book is considered the best Oracle PL/SQL programming guide by the Oracle community. The books gives clear instructions for executing, tracing, testing, debugging, and managing PL/SQL code. Here is what you will learn Chapter 1: Introduction What Is PL/SQL? Architecture of PL/SQL Advantage of Using PL/SQL Basic Difference between SQL and PL/SQL Chapter 2: Blocks What is PL/SQL block? Block Structure Types of PL/SQL block Chapter 3: First Program: Hello World SQL Plus Connecting to Database How to write a simple program using PL/SQL Declaring and usage of variables in program Commenting Codes Chapter 4: Data Types CHARACTER NUMBER BOOLEAN DATE LOB Chapter 5: Complex Data Types Record Type Collection Constructor and Initialization Concept in Collections Collection Methods Chapter 6: Decision Making Statements Introduction to Decision Making Statements IF-THEN Statement IF-THEN-ELSE Statement IF-THEN-ELSIF Statement NESTED-IF Statement CASE Statement SEARCHED CASE Statement Chapter 7: Loops Introduction to Loops Concept Loop Control Statements Types of Loop in PL/SQL Nested Loops Labelling of Loops Chapter 8: Subprograms: Procedures and Functions Terminologies in PL/SQL Subprograms Procedure Function Similarities between

Procedure and Function Difference between Procedure and Function Built-in Functions in PL/SQL Chapter 9: Exception Handling Exception-Handling Predefined Exceptions User-defined Exception Raising an Exception Important points to note in Exception Chapter 10: SQL DML Transactions in PL/SQL CURSOR Concept in PL/SQL Cursor Attributes FOR Loop Cursor statement BULK COLLECT in PL/SQL TCL Statements in PL/SQL Autonomous Transaction Chapter 11: Packages Components of Packages Package Initialization Forward Declarations Overloading Package Information UTL FILE - An Overview Chapter 12: Triggers Benefits of Triggers Trigger Classification Trigger Creation :NEW and :OLD Clause INSTEAD OF Trigger Compound Trigger Chapter 13: Object Types Components of Object Types Creation of Objects Declaration Initialization of Object Type Constructors Inheritance in Object Type Equality of PL/SQL Objects Chapter 14: Dynamic SQL Ways to write dynamic SQL NDS DBMS_SQL for Dynamic SQL Chapter 15: Nested Blocks Nested Block Structure Scopes in Nested Block Chapter 16: Identifiers Properties of Identifiers Naming Conventions of Identifiers Variables - An Identifier Declaration of Variables Data storing in Variables

Beginning PL/SQL is a fast-paced and blissfully short introduction to Oracle's PL/SQL language. PL/SQL is the built-in language that every Oracle developer and database administrator simply must know. The book shows readers how to apply object-oriented PL/SQL to production applications. No other book on PL/SQL does this. It gives the reader practical advice on what works and what doesn't, and advises on the performance tradeoffs between doing work in SQL versus in PL/SQL. This book gets readers up-to-speed on the core of the language without wasting time on esoteric and seldom used syntax.

The concepts, trends and practices in different phases of software development have taken sufficient advancement from the traditional ones. With these changes, methods of developing software, system architecture, software design, software coding, software maintenance and software project management have taken new shapes. Software Engineering discusses the principles, methodologies, trends and practices associated with different phases of software engineering. Starting from the basics, the book progresses slowly to advanced and emerging topics on software project management, process models, developing methodologies, software specification, testing, quality control, deployment, software security, maintenance and software reuse. Case study is a special feature of this book that discusses real life situation of dealing with IT related problems and finding their practical solutions in an easy manner. Elegant and simple style of presentation makes reading of this book a pleasant experience. Students of Computer Science and Engineering, Information Technology and Computer Applications should find this book highly useful. It would also be useful for IT technology professionals who are interested to get acquainted with the latest and the newest technologies.

Secrets of the Oracle Database is the definitive guide to undocumented and partially-documented features of the Oracle Database server. Covering useful but little-known features from Oracle Database 9 through Oracle Database 11, this book will improve your efficiency as an Oracle database administrator or developer. Norbert Debes shines the light of day on features that help you master more difficult administrative, tuning, and troubleshooting tasks than you ever thought possible. Finally, in one place, you have at your fingertips knowledge that previously had to be acquired through years

of experience and word of mouth through knowing the right people. What Norbert writes is accurate, well-tested, well-illustrated by clear examples, and sure to improve your ability to make an impact on your day-to-day work with Oracle.

For the past ten years, O'Reilly's Oracle PL/SQL Programming has been the bestselling book on PL/SQL, Oracle's powerful procedural language. Packed with examples and helpful recommendations, the book has helped everyone--from novices to experienced developers, and from Oracle Forms developers to database administrators--make the most of PL/SQL. The fourth edition is a comprehensive update, adding significant new content and extending coverage to include the very latest Oracle version, Oracle Database 10g Release 2. It describes such new features as the PL/SQL optimizing compiler, conditional compilation, compile-time warnings, regular expressions, set operators for nested tables, nonsequential collections in FORALL, the programmer-defined quoting mechanism, the ability to backtrace an exception to a line number, a variety of new built-in packages, and support for IEEE 754 compliant floating-point numbers. The new edition adds brand-new chapters on security (including encryption, row-level security, fine-grained auditing, and application contexts), file, email, and web I/O (including the built-in packages DBMS_OUTPUT, UTL_FILE, UTL_MAIL, UTL_SMTP, and UTL_HTTP) and globalization and localization. Co-authored by the world's foremost PL/SQL authority, Steven Feuerstein, this classic reference provides language syntax, best practices, and extensive code, ranging from simple examples to complete applications--making it a must-have on your road to PL/SQL mastery. A companion web site contains many more examples and additional technical content for enhanced learning.

Database Management System (DBMS) and Oracle are essentially a part of the curriculum for undergraduate and postgraduate courses in Computer Science, Computer Applications, Computer Science and Engineering, Information Technology and Management. The book is organized into three parts to introduce the theoretical and programming concepts of DBMS. Part I (Basic Concepts and Oracle SQL) deals with DBMS basic, software analysis and design, data flow diagram, ER model, relational algebra, normal forms, SQL queries, functions, subqueries, different types of joins, DCL, DDL, DML, object constraints and security in Oracle. Part II (Application Using Oracle PL/SQL) explains PL/SQL basics, functions, procedures, packages, exception handling, triggers, implicit, explicit and advanced cursors using suitable examples. This part also covers advanced concepts related to PL/SQL, such as collection, records, objects, dynamic SQL and performance tuning. Part III (Advanced Concepts and Technologies) elaborates on advanced database concepts such as query processing, file organization, distributed architecture, backup, recovery, data warehousing, online analytical processing and data mining concepts and their techniques. All the chapters include a large number of examples. To further reinforce the concepts, numerous objective type questions and workouts are provided at the end of each chapter. Key Features • Explains each topic in a step-by-step detail. • Includes about 300 examples to illustrate the concepts. • Offers about 400 objective type questions to quiz students on key points. • Provides about 100 challenging workouts that invite deeper analysis and interpretation of the subject matter. New to the Second Edition • The book reorganized into three parts for better understanding of DBMS concepts. • All the existing chapters thoroughly revised and eight new chapters added. •

New chapters discuss Oracle PL/SQL advanced programming concepts, data warehousing, OLTP, OLAP and data mining concepts. • Additional examples, questions and workouts in each chapter. TEACHING AID MATERIAL Teaching Aid Material for all the chapters is provided on the website of PHI Learning, which can be used by the faculties/teachers for delivering lectures. Visit www.phindia.com/gupta to explore the contents.

Oracle is an enormous system, with myriad technologies, options, and releases. Most users--even experienced developers and database administrators--find it difficult to get a handle on the full scope of the Oracle database. And, as each new Oracle version is released, users find themselves under increasing pressure to learn about a whole range of new technologies. The latest challenge is Oracle Database 11g. This book distills an enormous amount of information about Oracle into a compact, easy-to-read volume filled with focused text, illustrations, and helpful hints. It contains chapters on: Oracle products, options, data structures, and overall architecture for Oracle Database 11g, as well as earlier releases (Oracle Database 10g, Oracle9i, and Oracle8i) Installing, running, managing, monitoring, networking, and tuning Oracle, including Enterprise Manager (EM) and Oracle's self-tuning and management capabilities; and using Oracle security, auditing, and compliance (a new chapter in this edition) Multiuser concurrency, data warehouses, distributed databases, online transaction processing (OLTP), high availability, and hardware architectures (e.g., SMP, clusters, NUMA, and grid computing) Features beyond the Oracle database: Oracle Application Express, Fusion Middleware (including Oracle Application Server), and database SOA support as a Web services provider The latest Oracle Database 11g features: query result set caching, Automatic Memory Management, the Real Application Testing, Advanced Compression, Total Recall, and Active Data Guard Option Options, changes to the OLAP Option (transparently accessed and managed as materialized views), the Flashback transaction command, transparent data encryption, the Support Workbench (and diagnosability infrastructure), and partitioning enhancements (including interval and new composite types) For new Oracle users, DBAs, developers, and managers, Oracle Essentials provides an invaluable, all-in-one introduction to the full range of Oracle features and technologies, including the just-released Oracle Database 11g features. But even if you already have a library full of Oracle documentation, you'll find that this compact book is the one you turn to, again and again, as your one-stop, truly essential reference. "Oracle Essentials gives a clear explanation of the key database concepts and architecture underlying the Oracle database. It's a great reference for anyone doing development or management of Oracle databases." --Andrew Mendelsohn, Senior Vice President, Database Server Technologies, Oracle Corporation

Create dynamic client/server applications using PL/SQL and the comprehensive information contained in this authoritative volume. Expert Oracle insiders cover the features of PL/SQL, explain scripting semantics and syntax, and fully detail the PL/SQL functionality of Oracle Database 10g. You'll learn how to write powerful PL/SQL programs, interact with Oracle databases, perform complex calculations, and handle error conditions.

This book effectively explains the concept of PL/SQL programming. It gives short yet complete description of the PL/SQL programming concepts and explains them step by step. This book provides core information that every PL/SQL developer should know to write PL/SQL programs, interact with Oracle databases, perform complex calculations, and handle exceptions. Loaded with lots of examples and illustrations to explain concepts, this book would help you learn PL/SQL programming with minimal effort.

Master Oracle SOA Suite 11g Design and implement an agile service-oriented enterprise computing infrastructure using the detailed information in this Oracle Press guide. Written by

an Oracle ACE director, Oracle SOA Suite 11g Handbook uses a hands-on case study to illustrate each programming, management, and governance concept. Get expert techniques for modeling and implementing complex business processes and deploying and securing Web services, while maximizing decoupling and code reuse. Install Oracle SOA Suite 11g or migrate from a previous version Design and develop composite applications using SCA and SDO Model processes using BPEL, BPMN, and human task components Connect components through mapping and filtering with Oracle Mediator Apply the principles of event-driven architecture through complex event processing, the event delivery network, and Oracle Business Activity Monitoring server Benefit from the power of Java through the Spring component and the interaction with Oracle Validate, enrich, transform, route, and operate on data using the Oracle Service Bus Deploy, test, and manage composite applications from the Oracle Enterprise Manager control console

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