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Oracle Tutorial With Examples

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DAKOTA LEWIS

[Oracle SQL](#) HerongYang.com

This book is a collection of tutorial notes and sample codes written by the author while he was learning JVM GC (Garbage Collection) processes. Topics include Java Garbage Collectors, STW (Stop-The-World), Serial Collector, Parallel Collector, Concurrent Collector, G1 Collector, GC Algorithms, Generational GC, Regional GC, Heap Memory Management, Young/New Generation, Tenured/Old Generation, Object Reference, Eden Space, Survivor Spaces, Minor GC, Major GC, Full GC, Performance Tuning, Throughput/Latency Performance, Heap Footprint. Updated in 2019 (Version 1.10) with Java 12.

JDBC Tutorials - Herong's Tutorial Examples Addison-Wesley Professional CD-ROM contains: "a complete set of the book's code samples, scripts and examples."

The Java Tutorial Addison-Wesley

The Java® Tutorial, Fifth Edition, is based on Release 7 of the Java Platform Standard Edition. This revised and updated edition introduces the new features added to the platform, including a section on NIO.2, the new file I/O API, and information on migrating legacy code to the new API. The deployment coverage has also been expanded, with new chapters such as "Doing More with Rich Internet Applications" and "Deployment in Depth," and a section on the fork/join feature has been added to the chapter on concurrency. Information reflecting Project Coin developments, including the new try-with-resources statement, the ability to catch more than one type of exception with a single exception handler, support for binary literals, and diamond syntax, which results in cleaner generics code, has been added where appropriate. The chapters covering generics, Java Web Start, and applets have also been updated. In addition, if you plan to take one of the Java SE 7 certification exams, this guide can help. A special appendix,

"Preparing for Java Programming Language Certification," lists the three exams available, details the items covered on each exam, and provides cross-references to where more information about each topic appears in the text. All of the material has been thoroughly reviewed by members of Oracle Java engineering to ensure that the information is accurate and up to date.

[Beginning PL/SQL](#) HerongYang.com
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
[Java Internationalization](#) HerongYang.com
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.

[JDBC for Oracle - Herong's Tutorial Examples](#) "O'Reilly Media, Inc."

This book is a collection of notes and sample codes written by the author while he was learning JVM himself. Topics include JVM (Java Virtual Machine) Architecture and Components; Oracle JVM implementation - HotSpot; Eclipse JVM implementation - Eclipse OpenJ9; java.lang.Runtime - The JVM Instance class; Loading Native Libraries; java.lang.System - Representing Operating System; java.lang.ClassLoader - Loading class files; java.lang.Class - Class reflections; Runtime data areas, heap memory and Garbage Collection; Stack, Frame and Stack overflow; Multi-threading impacts on CPU and I/O; CDS (Class Data Sharing); Micro Benchmark tests on different types of operations. Updated in 2022 (Version v5.12) with HotSpot JVM 17. For latest updates and free sample chapters, visit

<https://www.herongyang.com/JVM>.

[Beginning Oracle SQL for Oracle Database 18c](#) HerongYang.com

SQL Server is a leading Relational Database Management System by

Microsoft. SQL Server supports the standard ANSI SQL (Structured Query Language). language. SQL Server also comes with its own implementation of the SQL language, T-SQL (Transact-SQL). Here is what is covered in the book - Chapter 1: What is SQL Server? Introduction, History, Editions, Instances What is SQL Server? History SQL Server SQL Server Editions MS SQL Server as Client-Server Architecture Key Components and Services of SQL Server SQL Server Instances Chapter 2: How to Download and Install SQL Server Chapter 3: SQL Server Architecture Protocol Layer - SNI Relational Engine Storage Engine Chapter 4: SQL Server Management Studio (SSMS): What is, Install, Versions Download and Install SQL Server Management Studio How to access ""Management Studio."" Access ""Management studio"" using Command line. Introduction to Data Management Studio IDE Chapter 5: SQL Server Database: Create, Alter, Drop, Restore Rules to Create a Database Create Database using SQL Server Management Studio Create Database with T-SQL How to Alter Database Alter Database with SQL Server Management Studio Chapter 6: SQL Server DataTypes: Varchar, Numeric, Date Time [T-SQL Examples] What is Datatype? Why use DataTypes? Data type available in MS SQL Chapter 7: SQL Server Variable: Declare, Set, Select, Global, Local [TSQL Examples] What is Variable? Types of Variable: Local, Global How to DECLARE a variable Assigning a value to a VARIABLE Chapter 8: SQL Server Table: CREATE, ALTER, DROP [T-SQL Examples] What is a Table? How to Create a Table Alter Table Delete Table Chapter 9: SQL Server PRIMARY KEY: T-SQL Examples Chapter 10: SQL Server FOREIGN KEY: T-SQL Examples Chapter 11: SQL Server IF...ELSE Statement: T-SQL Example IF... Else statement IF statement with No Else Nested IF...Else Statements Chapter 12: CASE statement in SQL Server: T-SQL Example Overview of Case in real life! What is CASE? Simple CASE Searched CASE Difference between Simple and searched case Nested CASE: CASE in IF ELSE Chapter 13: SQL Server SUBSTRING() Function: T-SQL Example Chapter 14: SQL SERVER JOINS Tutorial: INNER, LEFT, RIGHT, OUTER Chapter 15: Create Login, User, assign Permission: SQL Server Tutorial How to Create a Login How to create a User Assigning Permission to a User Chapter 16: Oracle Vs. SQL Server: Key Differences What is Microsoft SQL server? What is Oracle Database? Early History of Microsoft SQL: Early History of Oracle: Features of Microsoft SQL Server Features of Oracle Difference between SQL

Server and Oracle Chapter 17: SSIS Tutorial for Beginners: What is, Architecture, Best Practices What Is SSIS? Why we use SSIS? History of SIS SSIS Salient Features SSIS Architecture SSIS Tasks Types Other Important ETL tools Click the BUY button now and download the book now to start learning UML. Learn it fast and learn it well. Pick up your copy today by clicking the BUY NOW button at the top of this page!

Learning Oracle Database Programming Createspace Independent Publishing Platform

Beginning Oracle PL/SQL gets you started in using the built-in language that every Oracle developer and database administrator must know. Oracle Database is chock-full of built-in application features that are free for the using, and PL/SQL is your ticket to learning about and using those features from your own code. With it, you can centralize business logic in the database, you can offload application logic, and you can automate database- and application-administration tasks. Author Don Bales provides in Beginning Oracle PL/SQL a fast-paced and example-filled tutorial. Learn from Don's extensive experience to discover the most commonly used aspects of PL/SQL, without wasting time on obscure and obsolete features. The author takes his 20+ years of experience and a wealth of statistics he's gathered on PL/SQL usage over those years and applies the 80/20 rule: cover what's most needed and used by PL/SQL professionals and avoid what's not necessary! The result is a book that covers all the key features of PL/SQL without wasting your time discussing esoteric and obsolete parts of the language. Learn what really matters, so that you can get to work feeling confident with what you know about PL/SQL. Covers the key topics that matter, including variables and datatypes, executing statements, working with cursors, bulk operations, real-world objects, debugging, testing, and more. Teaches you to write production-level, object-oriented PL/SQL. You'll explore relational PL/SQL, but unlike most other books on the subject, this one emphasizes the use of PL/SQLs object-oriented features as well. Guides you in working through real examples of using of PL/SQL. You'll learn PL/SQL by applying it to real-world business problems, not by heavy theory.

The Java EE 6 Tutorial HerongYang.com PL/SQL is the Oracle Procedural Language extension of SQL. PL/SQL is integrated within the Oracle database. A PL/SQL program can have both SQL statements and procedural statements. In the

program, the SQL statements are used to access sets of data stored in a database, while the procedural statements are used to process individual piece of data and control the program flow, by applying, for example, the PL/SQL's if-then-else and looping structures. This book, Oracle PL/SQL Programming Fundamentals By Examples, is for PL/SQL beginners. If you have no prior or limited skill of PL/SQL, and you want to learn the Oracle PL/SQL programming language the practical way, then this book is perfect for you. When you finish reading the book and trying its examples, you would have equipped yourself with PL/SQL fundamental skills to start writing some PL/SQL programs for a real-world development project. Source codes listing of the examples are included in the Appendix of the book.

Beginning Oracle PL/SQL CreateSpace

This JDBC tutorial book is a collection of notes and sample codes written by the author while he was learning JDBC technology himself. Topics include installing JDK and SQL Server; using SQL Server JDBC and JDBC-ODBC Bridge drivers; database connection URLs; introduction to Result Set, Meta Data, Prepared Statement, CLOB, and BLOB. Updated in 2022 (Version v3.12) with minor changes. For latest updates and free sample chapters, visit <https://www.herongyang.com/JDBC-SQL-Server/>.

The SQL Guide to Oracle

HerongYang.com

You're familiar with Java(TM)

programming, but now it's time for you to take it to the next level and begin creating enterprise applications with the Java(TM) 2 Platform, Enterprise Edition (J2EE(TM)).

"The J2EE(TM) Tutorial is the hands-on, example-driven guide that offers unparalleled technical guidance into developing and deploying applications on the J2EE platform. Written by the uniquely qualified members of the Java Software team at Sun Microsystems, "The J2EE(TM) Tutorial uses the same effective interactive approach as the successful Java(TM) Tutorial collection. Throughout this book's development, hundreds of suggestions and volumes of feedback from both users and architects were integrated to ensure great writing and truly useful guidance. Inside you'll find a smart mix of example programs--including source code--that are used to illustrate key J2EE concepts. In addition, clear explanations will help you make easy work of the range of technologies collected into the J2EE platform, including: Enterprise JavaBeans(TM) Java(TM) ServletsJavaServer Pages(TM) Java(TM)

Message Service (JMS)Java Naming and Directory Interface(TM) (JNDI)XMLJ2EE(TM) Connector ArchitectureJavaMail(TM) JDBC(TM) When you're ready to create your own great enterprise applications, turn to the unmatched guidance, understanding, and experience you'll find only in "The J2EE(TM) Tutorial. The accompanying CD-ROM is filled with a wealth of valuable resources, including all three Java(TM) Tutorial books, the J2SE 1.3.1 and J2EE 1.3.1 software development kits, the Java BluePrints sample application and book, and Forte for Java Plugin for the J2EE SDK. 0201791684B03012002

Mastering Oracle PL/SQL "O'Reilly Media, Inc."

This JDBC tutorial book is a collection of notes and sample codes written by the author while he was learning JDBC technology himself. Topics include installing JDK and Oracle server; using Oracle JDBC driver; database connection URLs; introduction to Result Set, Meta Data, Prepared Statement, CLOB, and BLOB. Updated in 2022 (Version v3.12) with minor changes. For latest updates and free sample chapters, visit <https://www.herongyang.com/JDBC-Oracle-PL/SQL-Programming-Fundamentals> "O'Reilly Media, Inc."

PL/SQL, integrated with the Oracle database, is the procedural extension of SQL. This book is for PL/SQL beginners. When they finish reading the book and trying its examples, they would have equipped themselves with basic PL/SQL skills to start writing PL/SQL programs in a real-world development project. The second edition has three new chapters (Records & Collection, Privileges, and PL/SQL in Java), and five new topics added in existing chapters (Transaction, DDL statements, Stored Programs, Package, and Trigger)

JDK Tutorials - Herong's Tutorial Examples

HerongYang.com

Combine high volume data movement, complex transformations and real-time data integration with the robust capabilities of ODI in this practical guide Discover the comprehensive and sophisticated orchestration of data integration tasks made possible with ODI, including monitoring and error-management Get to grips with the product architecture and building data integration processes with technologies including Oracle, Microsoft SQL Server and XML files A comprehensive tutorial packed with tips, images and best practices In Detail Oracle Data Integrator (ODI) is Oracle's strategic data integration platform for high-speed data transformation and movement

between different systems. From high-volume, SOA-enabled data services, to trickle operations - ODI is a cutting-edge platform that offers heterogeneous connectivity, enterprise-level deployment, and strong administrative, diagnostic, and management capabilities. "Getting Started with Oracle Data Integrator 11g: A Hands-On Tutorial" provides you with everything you to get up and running with Oracle Data Integrator, and more! Following an example scenario, the book covers essential information about the ODI architecture and using ODI across different databases (Oracle, Microsoft SQL Server and MySQL), and file types such as XML, before covering Orchestrating Data Integration Workflows, Error Management, Operational Management and Monitoring, and beyond. "Getting Started with Oracle Data Integrator 11g: A Hands-On Tutorial" begins by describing the Oracle Data Integrator architecture and teaching you to install the product following best practices. You'll then be introduced to some of the key concepts of ODI such as the Knowledge Modules. Later topics include moving and transforming data from sources to targets including the Oracle Database, Microsoft SQL Server, MySQL, Flat files, and XML files, each with illustrated hands-on examples for the different technologies. Your learning experience will be made all the more rich with chapters introducing, explaining and leveraging additional ODI functionality such as variables, reusable procedures, temporary indexes and more. Finally ODI's workflow and task orchestration capabilities are explained before introducing you to Error Management with ODI's built-in 'error hospital' and 'error recycling' capabilities for non-compliant data, not to mention tackling ODI Studio, ODI Console and Enterprise Manager Fusion Middleware Control. What you will learn from this book Get to grips with the various components of the Oracle Data Integrator architecture Learn how to install ODI quickly and effectively using recommended best practices Orchestrate your data integration processing by designing ODI packages and scenarios Discover how to develop ODI interfaces in order to effortlessly move data between servers and files Get the full lowdown on both Error Processing and Management and Monitoring Give your knowledge a boost with in-depth coverage of various data sources and targets including Oracle, Microsoft SQL Server and XML files Master key ODI concepts like Physical and Logical Architectures or the Knowledge Modules Take advantage of expert advice from the authors' combined 15 years of ODI

experience Approach "Getting Started with Oracle Data Integrator 11g: A Hands-On Tutorial" is a practical tutorial bursting with tips, illustrations and real-world best practices to get you on your way with ODI. Who this book is for If you are a software/ETL developer or database administrator who is new to Oracle Data Integrator but want to get hands-on with the product quickly, then "Getting Started with Oracle Data Integrator 11g: A Hands-On Tutorial" is for you. You should have some experience with databases, SQL and ETL technologies.

Getting Started with Oracle Data Integrator 11g Addison-Wesley Professional

This book is a collection of tutorial notes and sample codes written by the author while he was learning JDK (Java Development Kit) core libraries himself. Topics include Time and Calendar, Internationalization, Unnamed Packages, Collections, Character Set and Encoding, Logging, XML related technologies: DOM, SAX, DTD, XSD, and XSL, Cryptography, Certificates, Key stores, Cipher and Encryption, Socket communication, SSL and HTTPS. Updated in 2022 (Version v6.31) with JDK 17. For latest updates and free sample chapters, visit <https://www.herongyang.com/JDK>.

Guerrilla Oracle Createspace Independent Publishing Platform

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] JVM Tutorials - Herong's Tutorial Examples Pearson Education

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.

Learn PL/SQL in 1 Day Apress

This JDBC tutorial book is a collection of notes and sample codes written by the author while he was learning JDBC technology himself. Topics include installing JDK and MySQL server; using MySQL JDBC driver (MySQL Connector/J); database connection URLs; introduction to Result Set; Meta Data, Prepared Statement, CLOB, and BLOB; connection pooling with DBCP and C3P0. Updated in 2022 (Version v3.12) with minor changes. For latest updates and free sample chapters, visit <https://www.herongyang.com/JDBC-MySQL>.

SQL Server Lulu Press, Inc

Combine high volume data movement, complex transformations and real-time data integration with the robust capabilities of ODI in this practical guide.

Oracle PL/SQL by Example Guru99

This JDBC tutorial book is a collection of notes and sample codes written by the author while he was learning JDBC technology himself. Topics include installing JDK and Oracle server; using Oracle JDBC driver; database connection URLs; introduction to Result Set, Meta Data, Prepared Statement, CLOB, and BLOB. Updated in 2022 (Version v3.12) with minor changes. For latest updates and free sample chapters, visit <https://www.herongyang.com/JDBC-Oracle>.