

ORACLE RDBMS (SQL / PLSQL) Contents

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- Data Control Language (DCL) Statements

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ORDBMS (Object Relational Database Management Systems)

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- Using SQL*Loader to Load Data

PL/SQL

Introduction to PL/SQL

- What is PL/SQL
- Advantages of PL/SQL
- PL/SQL Architecture
- Modules of PL/SQL Code

PL/SQL Language Fundamentals

- Identifiers
- Literals
- Semicolon Delimiter
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- Block Structure
- Components of a PL/SQL block

PL/SQL Code Blocks

- Types of Code Blocks
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- Closing Cursors
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- Cursor Parameters
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Records In PL/SQL

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- PL/SQL Tables and DML Statements
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- Filling the Rows of a PL/SQL Table
- Clearing the PL/SQL Table

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- SQL Support in PL/SQL
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ADVANCED PL/SQL

Exception Handlers

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 - Positional and Named Parameters
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 - Customizing Error Conditions
 - Calling Procedures within Triggers
- DDL Event Triggers
- Database Event Triggers
- INSTEAD OF Triggers
- MUTATING Triggers
- Enabling and Disabling Triggers
- Dropping Triggers

File Input / Output

- PL/SQL file I/O (Input / Output)
- Using UTL_FILE package

ADVANCED DATABASE CONCEPTS

Introduction Oracle Database Structure

- Logical Structure
- Physical Structure
- 2-tier, 3-tier, n-tier

Managing Oracle Instance

- Overview of Instance and Instance Management
- Initialization Parameters
- Memory Structure
 - SGA and PGA
- Oracle Background Processes
 - SMON, PMON, DBWR etc.

Introduction to DBA Concepts

- Introduction to Tablespaces
 - Types of Tablespaces
- Creating and Managing Users
- Creating Roles and Granting access to Roles to Users

Introduction to TOAD, SQL DEVELOPER.