

Oracle for Developers PLSQL

Lesson 00:

Course Goals and Non Goals

➤ Course Goals

- To understand RDBMS Methodology
- To code PL/SQL Blocks for Implementing business rules
- To create Stored Subprograms using Packages, Procedures and Functions.
- To implement Complex Business Rule using Triggers, Constraints

Course Goals and Non Goals

➤ Course Non Goals

- Object Oriented programming concepts (ORDBMS) are not covered as a part of this course.



Pre-requisites

- Required a fair proficiency level in Relational Database Concepts.
- Required good proficiency in DBMS SQL



Intended Audience

- Software Programmers
- Software Analysts





Day Wise Schedule

➤ Day 1

- Lesson 1: PL/SQL Basics
- Lesson 2: Introduction to Cursors

• Day 2

- Lesson 3: Exception Handling
- Lesson 4: Procedures, Functions,



Table of Contents

- Lesson 1: PL/SQL Basics
 - 1.1: Introduction to PL/SQL
 - 1.2: PL/SQL Block Structure
 - 1.3: Handling Variables in PL/SQL
 - 1.4: Declaring a PL/SQL table
 - 1.5: Scope and Visibility of Variables
 - 1.6: SQL in PL/SQL
 - 1.7: Programmatic Constructs
- Lesson 2: Introduction to Cursors
 - 2.1: Introduction to Cursors
 - 2.2: Implicit Cursors
 - 2.3: Explicit Cursors
 - 2.4: Cursor Attributes
 - 2.5: Cursor with Parameters
 - 2.6: Usage of Cursor Variables



Table of Contents

- Lesson 3: Exception Handling
 - 3.1: Error Handling
 - 3.2: Predefined Exception
 - 3.3: Numbered Exceptions
 - 3.4: User Defined Exceptions
 - 3.5: OTHERS Exception Handler
- Lesson 4: Procedures, Functions
 - 4.1: Anonymous Blocks versus Stored Subprograms
 - 4.2: Procedures
 - 4.3: Functions



References

- Oracle PL/SQL Programming, Third Edition; by Steven Feuerstein
- Oracle 9i PL/SQL: A Developer's Guide
- Oracle9i PL/SQL Programming; by Scott Urman



Next Step Courses

- Data Warehousing Concepts
- Reporting / ETL tools
- Database Administration / Database Performance Tuning





Other Parallel Technology Areas

- Microsoft SQL Server
- IBM DB2