

Oracle PL/SQL 9i

Architecture

- Memory Architecture
- Physical File Structures
- Server Processes

Built-in Packages

- DBMS_OUTPUT
- DBMS_PIPE
- DBMS_ROWID
- UTL_FILE

Debugging

- Displaying Debug Information
- Oracle-specific Command-line
- Features
- Tracing Code

Exception Handling

- Exception Raising
- Oracle-specific Exception Handling Techniques
- Propagation of Exceptions

Language Elements

- Collections
- Control Structures
- Datatypes

SQL Operations

- Cursor Attributes
- Dynamic SQL
- Transactions
- Types of Cursors

Subprograms

- External Procedures



- Packages
- Procedures
- User-Defined Functions

Tuning

- Detection of Server-level Bottlenecks
- Effective Use of Indexes and Partitions
- Implicit & Explicit Conversion
- SQL Tuning

Utilities

- Exporting Data
- Importing Data
- Scripting

Business Considerations

- Business Intelligence
- Requirements
- Users

Data Marts

- Design
- Role in Data Warehousing
- Schema

Design

- Architecture
- Capacity Growth
- Storage Requirements
- System Requirements

On Line Analytical Processing (OLAP)

- Hybrid OLAP (HOLAP)
- Multidimensional OLAP (MOLAP)
- Relational OLAP (ROLAP)

Characteristics

- Data Warehousing
- Metadata

Data Transformation

- Cleansing and Reformatting Data
- Extraction
- Importing/Loading data
- Techniques

Dimensional Data Model

- Indexing
- Schemas
- Storing Changing Data

Querying and Reporting/Data Extraction

- Fact Tables
- Multidimensional Analysis

Query Languages