Oracle PL/SQL for ERP Developers Training Course

Professional Development Training Course Outline

Category	Enterprise Resource Planning (ERP)	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

In the fast-evolving world of enterprise resource planning (ERP), Oracle PL/SQL has emerged as a cornerstone for building robust, scalable, and high-performance database applications. Oracle PL/SQL for ERP Developers Training Course is meticulously designed for ERP developers who aim to enhance their SQL programming skills, automate business processes, and optimize database performance. Through hands-on exercises and real-world case studies, participants will gain deep insights into data manipulation, stored procedures, triggers, and performance tuning using Oracle PL/SQL.

This program also emphasizes practical implementation in ERP environments, ensuring that participants can leverage PL/SQL to streamline workflows, integrate modules, and drive business intelligence. By the end of this training, developers will be equipped with the knowledge to develop efficient database solutions, implement best coding practices, and resolve complex ERP challenges effectively.

Programme Curriculum

Oracle PL/SQL for ERP Developers Training Course

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Course Duration

5 Days

Course Objectives

By the end of this training, participants will be able to:

1. Master advanced Oracle PL/SQL programming techniques for ERP solutions.
2. Develop efficient stored procedures, functions, and packages.
3. Implement robust triggers for automated data validation.
4. Optimize SQL queries for high-performance ERP applications.
5. Utilize cursors and exception handling in complex workflows.
6. Integrate PL/SQL with ERP modules like Finance, HR, and Supply Chain.
7. Perform data migration and ETL operations using PL/SQL.
8. Apply best practices in database design and normalization.
9. Debug and troubleshoot complex PL/SQL programs effectively.
10. Design dynamic SQL solutions for real-time ERP data needs.
11. Leverage bulk operations for large dataset processing.
12. Implement security and access control in PL/SQL applications.
13. Gain hands-on experience through ERP-focused case studies and scenarios.

Target Audience

1. ERP Developers seeking PL/SQL expertise.
2. Database Administrators (DBAs) working with Oracle ERP systems.
3. Software Engineers in ERP solution development.
4. IT Professionals involved in data integration and migration.
5. Business Analysts with a focus on database automation.
6. Technical Leads responsible for ERP implementation.
7. Consultants working on Oracle ERP customization.
8. Students and professionals aiming for Oracle PL/SQL certification.

Course Modules

Module 1: Introduction to Oracle PL/SQL

- Overview of PL/SQL architecture and advantages
- Understanding blocks, syntax, and control structures
- Introduction to SQL integration with PL/SQL
- Writing your first PL/SQL program
- Case Study: Automating data validation in ERP Finance module

Module 2: Advanced SQL and PL/SQL Programming

- Complex queries, joins, and subqueries
- PL/SQL expressions and conditional logic
- Working with variables, constants, and data types
- Debugging techniques for PL/SQL

- Case Study: Optimizing inventory queries in ERP

Module 3: Stored Procedures and Functions

- Creating and managing stored procedures
- Functions for reusable ERP logic
- Parameters and return types
- Exception handling within procedures/functions
- Case Study: Automating HR leave approval workflow

Module 4: Packages and Modular Programming

- Creating packages for ERP module integration
- Package specification and body
- Overloading and encapsulation
- Best practices in modular PL/SQL programming
- Case Study: Centralized Finance calculations package

Module 5: Triggers and Automation

- Types of triggers
- Row-level and statement-level triggers
- Trigger best practices and performance considerations
- Using triggers for data auditing
- Case Study: Automated stock update on purchase order

Module 6: Cursors and Exception Handling

- Implicit and explicit cursors
- Cursor FOR loops and parameterized cursors
- Exception handling strategies
- Raising custom exceptions
- Case Study: Processing batch invoices with error logging

Module 7: Performance Tuning and Optimization

- Query optimization techniques
- Using bulk collect and FORALL for high-performance operations
- Analyzing execution plans and indexing
- Best practices for ERP-specific databases
- Case Study: Reducing runtime of payroll processing

Module 8: Advanced Topics and ERP Integration

- Dynamic SQL and DBMS_SQL package
- Data migration and ETL strategies
- PL/SQL security and access control
- Interfacing PL/SQL with ERP modules
- Case Study: Migrating legacy ERP data to Oracle ERP Cloud

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call +254769199797

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com