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Document History Date **Course Version** Software Version No. Developer / SME **Change Record Remarks** No. 13-Nov-2008 Oracle9i Rajita Dhumal **Content Creation.** 28-Nov-2008 CLS team Oracle9i Review. 14-Jan-2010 1.2 Oracle9i Anu Mitra, Review 14-Jan-2010 Oracle9i Rajita Dhumal, CLS Incorporating Review Comments 16-May-2011 Oracle 9i Anu Mitra Integration Refinements 17-May-2013 Oracle 9i **Courseware Refinements** Chandiramani 7-May-2016 2.2 Oracle 9i Kavita Arora Integration Refinements Capgemini

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 Procedures and Functions.
 - To implement Business Rule using Constraints.
- Course Non Goals
 - Object Oriented programming concepts (ORDBMS) are not covered as a part of this course.

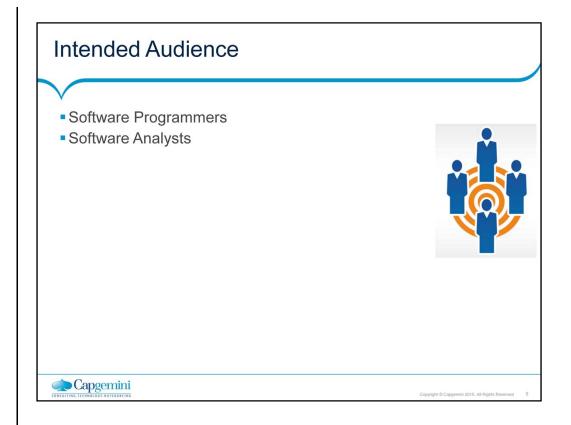




Pre-requisites

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





Day Wise Schedule Day 1 Lesson 1: PL/SQL Basics Lesson 2: Introduction to Cursors Day 2 Lesson 3: Exception Handling Lesson 4: Procedures and Functions

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- 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: Scope and Visibility of Variables
 - 1.5: SQL in PL/SQL
 - 1.6: Programmatic Constructs



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- Lesson 2: Introduction to Cursors
 - 2.1: Introduction to Cursors
 - 2.2: Implicit Cursors
 - 2.3: Explicit Cursors
 - 2.4: Cursor Attributes
 - 2.5: Processing Implicit Cursors and Explicit Cursors
- Lesson 3: Exception Handling
 - 3.1: Error Handling (Exception Handling)
 - 3.2: Predefined Exception
 - 3.3: User Defined Exceptions
 - 3.4: OTHERS Exception Handler



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- Lesson 4: Procedures, Functions, and Packages
 - 4.1: Subprograms in PL/SQL
 - 4.2: Anonymous Blocks versus Stored Subprograms
 - 4.3: Procedures
 - 4.4: 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 (if applicable)

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





Other Parallel Technology Areas ■ Microsoft SQL Server ■ IBM DB2