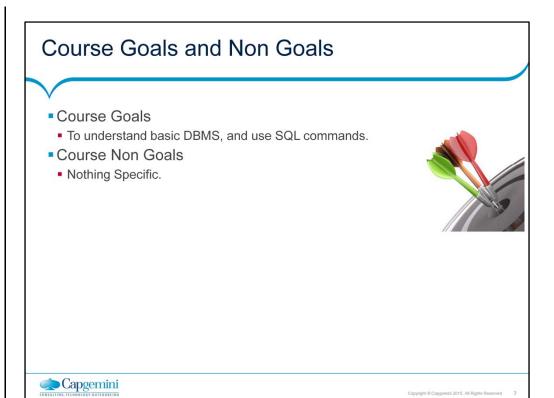
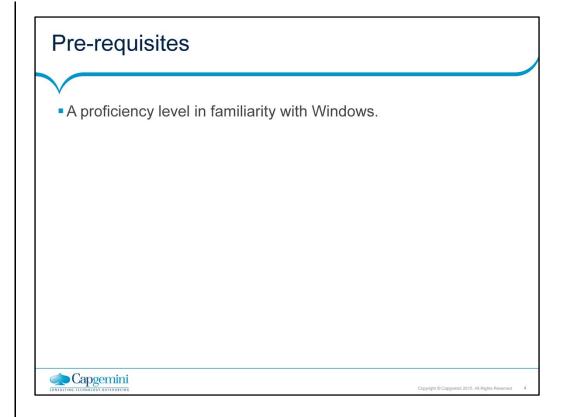


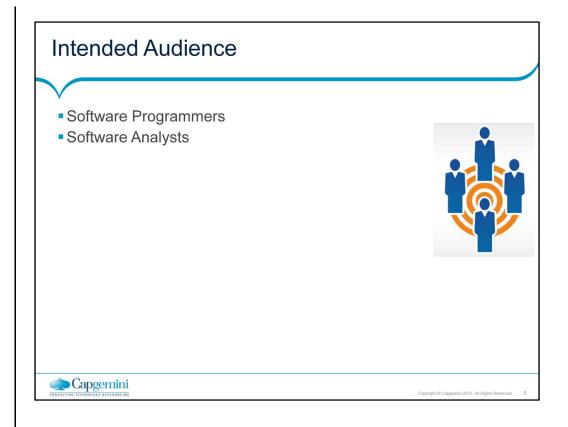
©2016 Capgemini. All rights reserved.

The information contained in this document is proprietary and confidential. For Capgemini only.

Document History Software Change Record Course Developer / Version Date SME Remarks Version No. No. Content 13-Nov-08 1 9i Rajita Dhumal Creation 14-Nov-08 CLS team 1.1 9i Review 14-Jan-10 1.2 Anu Mitra Review 9i Incorporating Rajita Dhumal, Review 14-Jan-10 1.2 9i **CLS Team** comments Integration 25-Apr-11 2 9i Anu Mitra refinements Hareshkumar Courseware 17-May-13 2.1 9i Chandiramani refinements Courseware Kavita Arora 21-Apr-15 2.2 9i refinements Capgemini







Day Wise Schedule

- Day 1
 - Lesson 1: Introduction to Database
 - Lesson 2: Basics of SQL
- Lesson 3: Data Query Language
- Lesson 4: Aggregate (Group) Functions
- Lesson 5: SQL (Single-row) functions
- Lesson 6: Joins
- Day 2
 - Lesson 6: (contd) Sub-queries
 - Lesson 7: Database Objects



■ Day 3 ■ Lesson 8: Data Manipulation Language ■ Lesson 9: Transaction Control Language ■ Start with PL SQL

- Lesson 1: Getting Started with Database
 - 1.1: Introduction to Database
 - 1.2: Characteristics of DBMS
 - 1.3: Data models
 - 1.4: Relational DBMS
 - 1.5: Database Administrator
- Lesson 2: Basics of SQL
 - 2.1. The SQL Language
- 2.2. Rules for SQL Statements
- 2.3. Standard SQL Statement Groups
- 2.4: Logging to Oracle Server



- Lesson 3: Data Query Language
 - 3.1: The SELECT statement
 - 3.2: The WHERE and AS clauses
 - 3.3: Mathematical ,Comparison and Logical operators
 - 3.4: The DISTINCT clause
 - 3.5: The ORDER BY clause
 - 3.6: Tips and Tricks in SELECT Statements
- Lesson 4: Aggregate (Group) functions
 - 4.1: The Group function
 - 4.2: GROUP BY & HAVING clause
 - 4.3: Examples of GROUP BY and HAVING clauses



- Lesson 5: SQL (Single-row) functions
 - 5.1: SQL functions
 - 5.2: Number functions
 - 5.3: Character functions
 - 5.4: Date functions
 - 5.5: Conversion functions
 - 5.6: Miscellaneous functions
 - 5.7: Tips and Tricks
- Lesson 6: Joins and Sub-queries
 - 6.1: Joins
 - 6.1.1: Oracle Proprietary Joins
 - 6.1.2: SQL: 1999 Compliant Joins



- Lesson 6: Joins and Sub-queries (continued)
 - 6.2: Sub-query
 - 6.3: Tips and Tricks
- Lesson 7: Database Objects
 - 7.1: Basic Data Types
 - 7.2: Data Integrity
 - 7.3: Examples of CREATE TABLE
 - 7.4: Examples of ALTER TABLE
 - 7.5: Database Objects
 - 7.6: Index
 - 7.7: Synonym
 - 7.8: Sequence
 - 7.9: View
 - 7.10: Deleting Database Objects
 - 7.11: Tips and Tricks



Table of Contents

- Lesson 8: Data Manipulation Language
 - 8.1: Adding Data
 - 8.2: Removing Data
 - 8.3: Modifying Data
- Lesson 9: Transaction Control Language
 - 9.1: Introduction to Transactions
 - 9.2: Statement Execution and Transaction Control
 - 9.3 Commit Transactions
 - 9.4 Rollback Transactions
 - 9.5 Savepoints in Transactions



References

- RDBMS Concepts A Primer
 - http://safari.oreilly.com
- •Introduction to Database Systems; by C.J.Date
- Relational Database Theory; by Atzeni, De Antonell





