Oracle for Developers

DBMS SQL

Capgemini

Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
13-Nov-2008	1.0		Rajita Dhumal	Content Creation
14-Nov-2008	1.1		CLS team	Review
14-Jan-2010	1.2		Anu Mitra	Review
14-Jan-2010	1.2		Rajita Dhumal, CLS Team	Incorporating Review comments
25-Apr-2011	2.0		Anu Mitra	Integration refinements
18-Feb-2014	2.1		Sathiabama Ranganathan	Course Refinements

Course Goals and Non Goals

➢ **Course Goals**
  • To understand basic DBMS, and use SQL commands.
➢ **Course Non Goals**
  • Nothing Specific.

Pre-requisites

➢ A proficiency level in familiarity with Windows.

Intended Audience

➢ Software Programmers
➢ Software Analysts

Day Wise Schedule

➢ Day 1
- Lesson 1: Introduction to Database
- Lesson 2: Introduction to Data Modeling, ER Modeling and Normalization

➢ Day 2
- Lesson 3 : Basics of SQL
- Lesson 4 : Database objects(Till Regular vs Temporary Tables)
- Lesson 5 : Data Manipulation Language

➢ DAY 3
- Lesson 4 : Database objects(From index).
- Lesson 6 : Data Query Language (Select Statement)

Day Wise Schedule

➢ Day 4
- Lesson 7: Aggregate Functions
- Lesson 8: SQL (Single Row) Functions

➢ Day 5
- Lesson 9: Transactions
- Lesson 10: Joins and Subqueries

➢ Day 6
- Lesson 11:Set Operators
- Lesson 12: Data Control Language
- Lesson 13: Introduction to Oracle Architecture
- Lesson 14: Introduction to Data Dictionary

Day Wise Schedule

- Day 7
  - Lesson 15: Analytical Functions
  - Lesson 16: SQL * Plus Reports
  - Lesson 17: SQL * Loader

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References

➢ RDBMS Concepts - A Primer
  - http://safari.oreilly.com

➢ Introduction to Database Systems; by C.J.Date

➢ Relational Database Theory; by Atzeni, Antonellis

Next Step Courses (if applicable)

➢ Oracle PL/SQL