Oracle for Developers

Lesson 1: Introduction to Programming

People matter, results count.

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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: Basics of SQL
  - Lesson 3: Data Query Language
  - Lesson 4: Aggregate (Group) Functions
  - Lesson 5: SQL (Single-row) functions

Day Wise Schedule

- Day 2
  - Lesson 6: Joins and Sub-queries
  - Lesson 7: Introduction to Data Modeling, ER Modeling and Normalization
  - Lesson 8: Database Objects (Table, Index, Sequence, Synonym to be covered here)
- Day 3
  - Lesson 8: Database Objects (Views to be covered here)
  - Lesson 9: Set Operators
  - Lesson 10: Data Manipulation Language
  - Lesson 11: Transaction Control Language

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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, De Antonellis

Next Step Courses (if applicable)

- Oracle PL/SQL