

Oracle Database 10g SQL Fundamentals II

Course information

Days : 2

Total lessons : 8

Suggested Prerequisites :

- Familiarity with data processing concepts and techniques

Training includes :

- Experienced trainer(s)
- Pre-test and Post-test
- Practices and solutions

Public price :

- 9,000 baht(THB) : 1 person

In-house price :

- 27,000 baht(THB) : Economic Class : 1 – 5 people
- 38,000 baht(THB) : Small Class : 6 - 10 people
- 54,000 baht(THB) : Middle Class : 11 - 20 people
- 70,000 baht(THB) : Large Class : 21 - 30 people

All prices exclude VAT 7 %

Course details

Day 1

Introduction

Lesson 1 : Controlling User Access

Lesson 2 : Managing Schema Objects

Lesson 3 : Manipulating Large Data Sets

Lesson 4 : Generating Reports by Grouping Related Data

Day 2

Lesson 5 : Managing Data in Different Time Zones

Lesson 6 : Retrieving Data Using Subqueries

Lesson 7 : Hierarchical Retrieval

Lesson 8 : Regular Expression Support

Lesson details

Lesson 1 : Controlling User Access

- Differentiate system privileges from object privileges
- Grant privileges on tables
- View privileges in the data dictionary
- Grant roles
- Distinguish between privileges and roles

Lesson 2 : Managing Schema Objects

- Add constraints
- Create indexes
- Create indexes using the CREATE TABLE statement
- Creating function-based indexes
- Drop columns and set column UNUSED
- Perform FLASHBACK operations
- Create and use external tables

Lesson 3 : Manipulating Large Data Sets

- Manipulate data using subqueries
- Describe the features of multitable INSERTs
- Use the following types of multitable INSERTs
- Unconditional INSERT



- Pivoting INSERT
- Conditional ALL INSERT
- Conditional FIRST INSERT
- Merge rows in a table
- Track the changes to data over a period of time

Lesson 4 : Generating Reports by Grouping Related Data

- Use the ROLLUP operation to produce subtotal values
- Use the CUBE operation to produce cross-tabulation values
- Use the GROUPING function to identify the row values created by ROLLUP or CUBE
- Use GROUPING SETS to produce a single result set

Lesson 5 : Managing Data in Different Time Zones

- TZ_OFFSET
- FROM_TZ
- TO_TIMESTAMP
- TO_TIMESTAMP_TZ
- TO_YMINTERVAL
- TO_DSINTERVAL
- CURRENT_DATE
- CURRENT_TIMESTAMP
- LOCALTIMESTAMP
- DBTIMEZONE
- SESSIONTIMEZONE
- EXTRACT

Lesson 6 : Retrieving Data Using Subqueries

- Write a multiple-column subquery
- Use scalar subqueries in SQL
- Solve problems with correlated subqueries
- Update and delete rows using correlated subqueries
- Use the EXISTS and NOT EXISTS operators
- Use the WITH clause

Lesson 7 : Hierarchical Retrieval

- Interpret the concept of a hierarchical query
- Create a tree-structured report
- Format hierarchical data
- Exclude branches from the tree structure

Lesson 8 : Regular Expression Support

- Use regular expression support in SQL to search, match, and replace strings in terms of regular expressions

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