

ADVANCED INFORMIX-SQL

A two day course for application developers and end users who have a working knowledge of Informix-SQL. Practical exercises are a significant feature of this course and are used throughout to consolidate the theory.

Course Objectives

On completion of this course the delegate will be able to:

1. Use advanced SQL constructs for queries and data maintenance
2. Optimise slow-running queries
3. Understand the role of indexes and how they are maintained
4. Use views as a security feature or to simplify data retrieval

Prerequisites

Familiarity with Informix-SQL

Course Content

Overview of database structure and terminology. Primary Keys, Foreign Keys and relationships.

Review of SELECT statement. More advanced features of SELECT - using table aliases, distributed queries, using GROUP BY and HAVING. Special relationships between tables - self-joins and outer joins. Combining information from queries using UNION.

Using subqueries. Understanding the variations in subquery syntax. Co-related subqueries. Subqueries in UPDATES and DELETES.

Additional syntax within SELECT - the FIRST clause, the CASE test. Converting null values and other data within the query. Manipulating date and datetime columns. Substringing and case manipulation functions.

The effect of indexes. Indexing guidelines. Using SET EXPLAIN to diagnose efficiency problems within queries. Understanding and using optimiser directives.

Benefits of using views. Creating and removing views on the database. Using views as a security feature. Multi-table views. Restrictions on views. Permission issues with using views.

Running SQL statements directly from Unix. Tracking progress of scripts. Running dbaccess interactively.

FOR FURTHER DETAILS

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