Course Content

Course Description:

Get ready to go deep with Structured Query Language (SQL) and become a power user. Whether you are being asked to solve complicated problems with SQL or you need to read and understand complex SQL that is already written, this course is for you! Come prepared to master Structured Query Language (SQL) across multiple database platforms in this fast paced and hands-on course.

Prerequisites:

SQL Essentials or Equivalent Knowledge

Audience:

Programmers, Analysts, Database Administrators, and IT Managers who are exposed to, or are required to perform the activities associated with data stored in a relational database such as DB2, Oracle or SQL Server.

Topics:

The **SQL: Cross Platform SQL – Dealing with Complex Queries** course will cover the topics listed below.

Complex Joins
- Inner Joins
- LEFT and RIGHT Outer Joins
- Full Outer Joins
- "Anti" Joins
- Self Joins

Multiple Query Blocks
- Non-correlated Subqueries
- Correlated Subqueries

Table Expressions and Views
- Views
- Nested Table Expressions
- Common Table Expressions

Set Operations
- UNION
- INTERSECT

Advanced Grouping
- GROUP BY Clause
- HAVING Clause
- ROLLUP
- CUBE

Solving Complex Problems with SQL
- Relational Difference
- Quota Queries
- Relational Division
- Recursion
- Complex CASE Statements
- Table Pivoting

Managing Transactions and Units of Work
- Data Modification Statements