



Course Content

Course Description:

Come prepared to master Structured Query Language (SQL) across multiple database platforms in this fast paced and hands-on course. The course begins with a discussion of relational concepts and terminology and quickly moves into a very practical discussion of data retrieval and manipulation using SQL. Each topic is reinforced with hands-on workshops.

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 Essentials course will cover the topics listed below.

Relational Database Concepts

- The Relational Model
- Domains
- Integrity and Relationships
- Structured Query Language (SQL)
- Unknown Values (NULL)
- Basic Datatypes

Basic Data Retrieval

- SELECT Statement
- Using SELECT
- Projecting Columns Onto the Result
- Basic Predicates
- Expressions in the SELECT Clause
- Expressions in the WHERE clause

Intermediate Data Manipulation

- Compound Conditions
- Other WHERE Clause Operators
- BETWEEN
- IN
- LIKE
- IS NULL
- Using DISTINCT
- ORDER BY Clause

Built-in Functions

- Working with Datatypes and Casting
- Functions Involving NULLs
- CASE Statements