

DB2/400 and SQL Programming

(SQ23)

3 Days (50% Lecture, 50% Workshop)

This course provides a comprehensive introduction to the DB2/400 database and the AS/400's SQL language and capabilities. It also covers embedding SQL into other high level languages.

Prerequisites: Knowledge of SQL Data Manipulation Language, from *Accessing Data with SQL (SQ12)* or equivalent. Programming experience on the AS/400 in a language such as COBOL or RPG.

Course Outline

SQL/400 Data Definition Language

- Creating a Collection
- Creating a Table
- Referential Integrity and Check Constraints
- Adding or Dropping Table Constraints and Columns
- Creating a View
- Creating an Index
- Dropping Collections, Tables, Views and Indexes
- Granting and Revoking Table and View Privileges
- The SQL Catalog
- Triggers
- Commit and Rollback Statements
- SQL vs AS/400 Commands

Embedded SQL/400

- Introduction to Embedded SQL
- Static Statements
- Dynamic Embedded Statements
- SQL Cursors
- Host Structures and Arrays
- SQL Error Handling
- Transaction Integrity
- Dynamic Cursors
- Creating SQL/400 Programs
- The SQL/400 Translation Process

Stored Procedures

- Introduction to Stored Procedures
- Using Existing HLL Programs
- SQL Stored Procedures
- Using Result Sets
- Development and Testing

SQL Call Level Interface (CLI)

Considerations Affecting SQL/400 Performance

For more information, call **(636) 519-7917**

Or e-mail info@400School.com