

Duration: 3 days

Course Number: ISI-DB2-14

Description

In this class, the concepts of DB2 are briefly presented and discussed, and the Structured Query Language (SQL) is presented as the means to access DB2 data. Several guided, hands-on, practice sessions give each attendee an opportunity to use QMF to build custom reports from DB2 data using the extensive powers of the QMF FORMs panels. Students will also learn to use other QMF facilities such as Help, Save/Display, Prompted and SQL Query modes, and PROCs. Upon successful completion of the course, students will be able to:

- Explain DB2 concepts, terminology and components.
- SELECT rows of data from DB2 tables using the WHERE clause to retrieve specific rows.
- Format QMF Reports by modifying the QMF FORM.
- Use several QMF Commands – LIST, SAVE/DISPLAY, SHOW
- Build Queries with the Prompted Mode.
- JOIN tables together to get information from each table.
- Use the SQL SubSelect feature of SQL.
- Build QMF Reports "beyond the basics" using FORM.MAIN, FORM.PAGE, FORM.COLUMNS, FORM.FINAL, FORM.BREAK1-6, and the (form) LAYOUT command.
- Build QMF Reports using additional FORM features such as FORM.OPTIONS, FORM.DETAIL, FORM.CALC, and FORM.COND.
- Build QMF procedures to run a series of QMF commands allowing for user input of data and SQL as variables.
- Use the QMF TABLE EDIT facility to search through a table and to make changes to a table.
- Build SQL SELECT, INSERT and UPDATE statements using the QMF DRAW command.

A series of lab exercises will be used to reinforce the classroom education.

Audience

End-Users and Information Technology personnel who need use the Query Management Facility (QMF) to build reports from DB2 data.

Prerequisites

- At least six months of Windows experience is recommended.
- No previous database experience is needed.

Course Agenda

Day 1

- DB2 Concepts and Terminology
- The SELECT Statement
- QMF Basics
- Hands-on Lab: QMF Report Formatting 1 – SELECT and QMF Basics
- QMF Prompted Query - Introduction
- Join and SubSelect
- QMF Prompted Join 1
- QMF Prompted Join 2
- Hands-on Lab: QMF Report Formatting 1 – Join and SubSelect – SQL and/or Prompted

Day 2

- QMF Report Formatting 1
- Hands-on Lab: QMF Report Formatting 1 – Basic Capabilities
- QMF Report Formatting 2
- QMF Forms Show
- QMF Export Import
- QMF Form Detail
- Hands-on Lab: QMF Report Formatting 2 – Form Detail

Day 3

- QMF PROCs – Multiple QMF Commands
- Hands-on Lab: QMF Report Formatting 1 – PROCs Multiple QMF Commands
- QMF PROCs – Variables as Data and as SQL components
- Hands-on Lab: QMF Report Formatting 2 – PROCs with Variables
- QMF Table Editor Search
- QMF Table Editor Change
- Hands-on Lab: QMF Table Searches and Changes
- QMF DRAW