DB2 Application Programming WORKSHOP

Course Summary

Description

This workshop is designed to provide instruction on COBOL programming using DB2 for OS/390. Hands-on practice with DB2 will be included, in order to reinforce the concepts and techniques studied in the course. Performance improving techniques will be discussed and the output from the DB2 optimizer will be analysed, using the EXPLAIN facility.

Objectives
At the end of this course, students will be able to:

- Embed SQL commands into a batch COBOL program to read data from tables and also update DB2 tables.
- Code a program to use an SQL "cursor processing" technique.
- Prepare a program for execution.
- Execute and test a batch program
- Use EXPLAIN to analyze SQL commands.
- Know the locking strategies available with DB2.
- Understand the basic features and options available when using DB2 packages and plans.
- Be familiar with several DB2 objects and the operating environment.

Topics

- SQL in PROGRAMS
- LAB preparation and LAB #0
- Error Handling
- DB2 Security
- LAB 1, workshop #2
- DB2 Objects
- DB2 Locking
- Query Analysis using EXPLAIN

Audience

This course is designed for Programmers and programmer/analysts.

Prerequisites

Students should have COBOL programming experience. Some experience or classroom instruction in SQL is desired.

Duration

Two days