

Duration: 2 days

Course Number: ISI-DB2-13

Description

This course presents the use of stored procedures as a solution to specific application needs in a Client/Server environment. The IBM DB2 Stored Procedure Builder is used in class exercises for creating, modifying and debugging procedures. This course covers the coding stored procedures in DB2 SQL Procedure Language (SQL/PL) and gives a Java overview. Data Definition Language (DDL) is used as another method to create stored procedures. Several hands-on exercises demonstrate the use of INPUT and/or OUTPUT parameters and internal stored procedure logic. Several DB2 stored procedure examples are reviewed as an insight into examples of the capabilities of stored procedures. The use of the CALL statement is presented as the means to invoke a stored procedure. Various methods for debugging a stored procedure are also presented.

Upon successful completion of this course, students will be able to:

- Describe what a stored procedure is and how it works.
- Describe the capabilities of the DB2 Stored Procedure Builder or similar product.
- Describe various DB2 SQL/PL statements and how to use them in an application.
- Describe the basic structure of a SQL application using stored procedures.
- Create DB2 stored procedures using the SQL DDL statements.
- Debug stored procedures.

A series of written and lab exercises will be used to reinforce the classroom education. Workshop exercises run on a DB2 UDB for Windows/Unix workstation.

Audience

Database application designers and application programmers who need to build, test, and modify DB2 stored procedures.

Prerequisites

- Six months experience with the Windows environment.
- Six months experience with DB2 SQL.

Course Agenda

Day 1

Stored Procedure Overview
DB2 SQL Procedure Language (SQL/PL)
DB2 Stored Procedure Builder – SQL

Day 2

CALLing a Stored Procedure
The CREATE PROCEDURE DDL statement
Stored Procedure Debugging
DB2 Stored Procedure Builder - Java Overview