DB2 Dynamic SQL (1 Day)

Benefits

The student will learn how to carry out Dynamic SQL statements in DB2.

Audience

Application developers who need to write programs that utilize Dynamic SQL.

Prerequisites

The student should have experience with basic SQL, as well as experience in doing DB2 application development.

Major Topics Include

- EXECUTE IMMEDIATE
- PREPARE
- EXECUTE
- Parameter Markers
- Fixed-list SELECT statements
- BIND options that affect Dynamic SQL
- Special Registers that affect Dynamic SQL
- Variable-list SELECT statements
- SQLDA
- DESCRIBE
- SQLTYPES
- Dynamic memory management
- SQLDAs for parameter markers
- Resource Limit Facility
- Debugging Dynamic SQL programs
- Dynamic SQL in REXX

DB2 Dynamic SQL - Topical Outline

Dynamic SQL Concepts
 Computer Exercise: Course setup

EXECUTE IMMEDIATE
PREPARE
Parameter Markers
EXECUTE
 Computer Exercise: Dynamic SQL -
 Parameter Markers
Dynamic Data Retrieval
Fixed List SELECT statements
DECLARE CURSOR
OPEN, FETCH, CLOSE
Dynamic SQL Bind Options
Special Registers and Dynamic SQL
 Computer Exercise: Dynamic SQL -
 Fixed List SELECT

Variable List SELECT statements
SQLDA
Dynamic memory management
DESCRIBE INTO
SQLTYPE
 Computer Exercise: Dynamic SQL -
 Variable List SELECT

REXX and Dynamic SQL
 Optional Computer Exercise: Dynamic
 SQL in REXX

Parameter markers and SQLDAs
 DESCRIBE INPUT
 EXECUTE and OPEN USING
 DESCRIPTOR
Resource Limit Facility
Debugging tools