



DB2 Training Course Content

Introduction to DB2

- What is database and its basic types
- Database models
 - Hierarchical
 - Network
 - RDBMS
 - Object Oriented
- Discuss about storage group and volumes table spaces
- Index spaces
- Basic Information About
 - Table
 - Row
 - Column
 - Queries
 - View
 - Trigger
 - Synonyms
 - Alias
- Discuss Physical Storage of DB2
 - DB2 objects
 - Buffer pools
- Features of Database design and its types
- Discuss the advantages of DB2 over VSAM
- Discuss the features of data integrity and referential integrity

Interaction with DB2

- Interaction with DB2 using TSO with SPUFI tool and QMF tool
- Introduction to SQL for interacting with DB2
- Introduction to COBOL-DB2 application program

- Using run JCL we can pass the queries
- With execute immediate
- Using prepare and execute technique
- Using dynamic SQL for running the queries
- Discussing the compilation of COBOL-DB2 program
- Facility of Error handling in DB2
 - Using DSNTIAR procedure approach
 - Using SQL codes
- Discussing commit and rollback features
- Introduction to CURSOR concept
- Handling Null values in DB2
- HANDLING VARCHARS
- Locks facility
- Error Handling
- Error Handling – Introduction
- SQLCA
- DSNTIAR
- WHENEVER
- COMMIT
- Rollback

DB2 Utilities

- Data Consistency Utilities
- CHECK Utility
- REPAIR Utility
- REPORT Utility
- DIAGNOSE Utility
- Backup and Recovery Utilities
- COPY Utility
- MERGECOPY Utility
- QUIESCE Utility
- RECOVER Utility
- REBUILD Utility
- REPORT RECOVERY
- Data Organization Utilities

- LOAD Utility
- REORG Utility
- Catalog Manipulation Utilities
- CATMAINT Utility
- MODIFY Utility
- RUNSTATS Utility
- STOSPACE Utility

Miscellaneous

- DB2 Commands
- Dynamic SQL – Introduction
- Dynamic SQL – Types
- When to use Dynamic SQL
- Execute Immediate SQL
- Non-select dynamic SQL
- Parameter marker
- Fixed-list select
- Varying-list select SQL

Stored Procedure

- Stored Procedure – Development
- Creating Stored Procedures
- Managing Stored Procedures
- Executing a Stored Procedures



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