

DB2 SQL Workshop

Module 01 : Introduction to DB2

- Overview of DB2
- Benefits of using DB2
- Comparison with other relational databases

Module 02 : DB2 Architecture

- Introduction to DB2 architecture
- Components of DB2
- Understanding the role of the DB2 server
- Overview of DB2 client tools

Module 03 : Database Design and Creation

- Overview of database design
- Creating a database in DB2
- Designing tables and columns
- Implementing data constraints

Module 04 : Data Management

- Introduction to data management
- Overview of DB2 SQL
- Inserting, updating, and deleting data
- Managing transactions
- Implementing data backup and recovery

Module 05 : SQL Queries

- Introduction to SQL queries
- Overview of DB2 SQL
- Select statements
- Joining tables
- Grouping and aggregating data
- Implementing subqueries

Module 06 : Data Modelling

- Introduction to data modelling
- Overview of ER modelling
- Implementing relationships
- Designing normalized databases

Module 07 : Stored Procedures and Functions

- Introduction to stored procedures and functions
- Overview of DB2 stored procedures
- Creating stored procedures and functions
- Debugging and testing stored procedures

Module 08 : Performance Optimization

- Introduction to performance optimization
- Overview of DB2 performance tuning
- Identifying and resolving performance issues
- Implementing indexes and query optimization