

“SQL – Structured Query Language” Training program (English Material)

Course Length: 12 Hours @ 4 days

Description

This SQL programming course teaches participants relational database fundamentals and SQL programming skills. Topics covered include relational database architecture, database design techniques, and simple and complex query skills.

Objective

This training program is intended for analysts, developers, designers, administrators, and managers new to the SQL programming language. Upon completion, participants will understand SQL functions, join techniques, database objects and constraints, and will be able to write useful SELECT, INSERT, UPDATE and DELETE statements. Extensive hands on exercises are used throughout to reinforce learning and develop real competency.

Prerequisites:

General computer knowledge. Familiarity with relational database concepts is helpful but not required.

Outlines

- What is SQL?
- Table Basics
- Selecting Data
- Manipulating Table Data Using SQL's Data Manipulation Language (DML)
 - INSERT into Tables
 - UPDATE Table Data
 - DELETE from Tables
 - TRUNCATE Tables

- Controlling Transactions
 - COMMIT
 - ROLLBACK
- Advanced Query
 - Start here
 - Select statement
 - Group by
 - Having
 - Order by
 - IN and Between
 - Mathematical functions
 - Outer Joins
 - Joining a Table to Itself
 - Subqueries
 - Hierarchical Queries
- Managing Database Objects
 - Dropping Tables, Indexes and Views
 - ALTERing Tables, Indexes and Views
 - Enabling and Disabling Constraints
 - Managing Security