



SQL– INTRODUCTION

Course Duration: 2 Days

1. Introduction to Transact-SQL

- The Transact-SQL Programming Language
- Types of Transact-SQL Statements
- Transact-SQL Syntax Elements
- Using SQL Server Books Online

2. Using Transact-SQL Querying Tools

- SQL Query Analyzer
- Using the **osql** Utility
- Executing Transact-SQL Statements
- Creating and Executing Transact-SQL Scripts

3. Retrieving Data

- Retrieving Data by Using the SELECT Statement
- Filtering Data
- Formatting Result Sets
- How Queries Are Processed
- Performance Considerations
- Retrieving Data and Manipulating Result Sets

4. Grouping and Summarizing Data

- Listing the TOP *n* Values
- Using Aggregate Functions
- GROUP BY Fundamentals
- Generating Aggregate Values Within Result Sets
- Using the COMPUTE and COMPUTE BY Clauses
- Grouping and Summarizing Data

5. Joining Multiple Tables

- Using Aliases for Table Names
- Combining Data from Multiple Tables
- Combining Multiple Result Sets
- Querying Multiple Tables

6. Modifying Data

- Using Transactions
- Inserting Data
- Deleting Data
- Updating Data
- Performance Considerations
- Modifying Data