



Microsoft®
SQL

DEVELOPMENT

MODULE-1

- ✓ Single Table Queries
- ✓ Using Criteria
- ✓ Inner Joins
- ✓ Pattern Matching
- ✓ Outer Joins
- ✓ Table Aliasing
- ✓ Cross Joins
- ✓ Unmatched Records Queries
- ✓ Creating Databases
- ✓ Creating Tables
- ✓ Inserting / Updating / Deleting Data
- ✓ Using Scripts
- ✓ Altering Tables
- ✓ Using BCP
- ✓ Stored Procedures
- ✓ Explicit Transactions
- ✓ Table Hints
- ✓ SQL Logins
- ✓ Granting Permissions
- ✓ Revoking and Denying Permissions
- ✓ Code Comments
- ✓ Automatic Script Generation
- ✓ Import / Export Wizard

MODULE-2

- ✓ Basic Queries
- ✓ Joining Tables (Detailed)
- ✓ Using BCP (Detailed)
- ✓ Creating and Populating Tables
- ✓ Sorting Data
- ✓ Three Table Query
- ✓ Many-to-Many Relationships
- ✓ Working with NULLs
- ✓ Expression Fields
- ✓ Identity Fields
- ✓ Using GROUP BY
- ✓ Filtering Aggregated Results
- ✓ Aggregation in Stored Procedures
- ✓ Finding Duplicates
- ✓ The OVER Clause
- ✓ TOP(n) Queries
- ✓ TOP(n) Tricks/Tricks/PERCENT Queries
- ✓ RANK() & DENSE_RANK()
- ✓ ROW_NUMBER
- ✓ NTILE
- ✓ Predicating Row Functions
- ✓ UNION and UNION ALL
- ✓ INTERSECT and EXCEPT
- ✓ GROUPING SETS
- ✓ Common Table Expressions
- ✓ PIVOT and UNPIVOT
- ✓ Self-Join Hierarchies
- ✓ Range Hierarchies
- ✓ Recursive Queries
- ✓ Basic Subqueries
- ✓ Correlated Subqueries
- ✓ Subquery Extensions
- ✓ Updates with Subqueries
- ✓ Existence Subqueries
- ✓ Using Merge
- ✓ MERGE Updating Options
- ✓ Using Output
- ✓ OUTPUT Code Combinations

MODULE-3

- ✓ Deleting, Updating and Truncating
- ✓ Cross Apply
- ✓ Outer Apply
- ✓ Schemas
- ✓ Synonyms
- ✓ Data Row Space Usage
- ✓ NULL Data
- ✓ Large Values
- ✓ Sparse Data Option
- ✓ Custom Data Types
- ✓ Date and Time Data Types
- ✓ GEOGRAPHY Data Types
- ✓ GEOMETRY Data Types
- ✓ Spatial Unions and Collections
- ✓ Spatial Envelope Aggregates
- ✓ Clustered Indexes
- ✓ Non-Clustered Indexes
- ✓ Coding Indexes
- ✓ Index Options
- ✓ Query Execution Plans
- ✓ Index Statistics
- ✓ Introduction to GUIDs
- ✓ Advantages/Disadvantages of GUIDs
- ✓ GUID Performance
- ✓ SQL Locking
- ✓ Transactions
- ✓ Deadlocks
- ✓ Pessimistic Concurrency
- ✓ Optimistic Concurrency
- ✓ READ_COMMITTED_SNAPSHOT

MODULE-4

- ✓ Unique Constraints
- ✓ Default Constraints
- ✓ Foreign Key Constraints
- ✓ Creating Table Constraints
- ✓ Insert Triggers
- ✓ Delete Triggers
- ✓ Update Triggers
- ✓ Instead of Triggers
- ✓ Nested Triggers
- ✓ DDL Triggers
- ✓ Creating Views
- ✓ Altering Views
- ✓ View Options
- ✓ Manipulating Data through Views
- ✓ View Modification Restrictions
- ✓ Index Views
- ✓ Stored Procedures Recap
- ✓ Return Values
- ✓ Output Parameters
- ✓ Stored Procedures Options
- ✓ Table-Valued Stored Procedure Parameters
- ✓ Basic String Functions
- ✓ New 2012 String Functions
- ✓ Viewing Table and Field Metadata
- ✓ System Time Functions
- ✓ Time Calculation Functions
- ✓ New SQL 2012 Time Functions
- ✓ Logical Functions
- ✓ New SQL 2012 Analytical Functions
- ✓ Scalar Functions
- ✓ Table-Valued Functions
- ✓ Function Determinability
- ✓ SQL Server Error Messages
- ✓ SQL Error Actions
- ✓ Structured Error Handling
- ✓ THROW
- ✓ EXEC Dynamic SQL
- ✓ sp_executesql
- ✓ Dynamic Admin Tasks
- ✓ Using Cursors
- ✓ Cursor Types

MODULE-5

- ✓ XML Streams
- ✓ XML Auto Mode
- ✓ XML Path Mode
- ✓ XML Nameless Fields
- ✓ Consuming XML
- ✓ Preparing XML
- ✓ OPENXML Options
- ✓ OPENXML Column Patterns
- ✓ OPENXML Parameters
- ✓ XML Data Type
- ✓ XQuery
- ✓ XML Data Type Methods
- ✓ XQuery FLWOR Expressions
- ✓ Shredding XML Nodes
- ✓ Binding XML to SQL
- ✓ Binding SQL to XML
- ✓ XML Importing and Exporting Tools
- ✓ Shredding Imported XML
- ✓ Using XML Namespaces
- ✓ WITH XMLNAMESPACES Clause
- ✓ XML Prolog
- ✓ XML Schema Definitions
- ✓ Typed XML Columns
- ✓ Xquery Variations
- ✓ Primary XML Indexes
- ✓ Secondary XML Indexes

WEEKEND BATCHES

Duration: 60 Sessions (Approx.)

Fees: 7,500/-

In Part Payments



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