

About Program

SQL-SERVER:

Our SQL certification training course is an online training meant for developers to master the descriptive language used for relational databases. Important topics included in this SQL online course are relational databases, queries, subqueries, joins, and unions and installing SQL server, implementing programmability objects.

Introduction to SQL SERVER

- Introduction to SQL SERVER course
- What is database?
- RDBMS(Relational Database Management System)

Database Normalization

- Introduction to Normalization
- Normal Forms (NF)

Installation for MS SQL SERVER

- Install MS SQL Server

SSMS (SQL Server Management Studio)

- SSMS (SQL Server Management Studio) Introduction
- Create, Alter and Drop Database
- Create, Rename and Drop Table

Manipulating Data

- Insert Data to Table
- Update Data in A Table
- Delete Data in A Table

Data Types

- String Data Types
- Numeric Data Types
- Date and Time Data Types
- Other Data Types

SQL Operators

- Arithmetic Operators
- SQL Comparison Operators
- SQL Logical Operators.
- Set Operators
- Other Operators

Constraints and Select Statement

- Types of constraints
- Select Statement and Alias

Filtering Sorting and grouping data

- Filtering Data with WHERE Clause
- Sorting data with ORDER BY clause
- Grouping data with GROUP BY clause
- Filtering Groups with HAVING clause

Case Statement

- If then statement

Retrieve data from multiple table using Joins

- Inner join
- Left Outer, Right Outer, Full Outer Join
- Self Join & Cross Join

Subqueries

- Subquery, Co-Related Subquery, Derived table

System Functions

- DateTime Function & Converting DateTime
- String Functions
- Aggregate Functions
- Rank Functions

SQL Transactions

- SQL Transactions Commands

Sequence & Schema Objects

- Create,Alter & Drop Sequence
- Create, Alter & Drop Schema Objects

Other Concepts

- Temp Tables
- Rollup and Cube
- Fetch and Offset
- Case statement
- Pivot and Unpivot
- Lead and Lag
- Top and Distinct

Introduction to TSQL

- Introduction to TSQL
- View and Types
- UDF (User Defined Functions) and Types
- Stored Procedure
- Variables and Types
- Difference between Stored Procedure and Functions
- Index and Types of Index
- Cursor and Types
- Triggers and Types
- Exception Handling
- Query Optimization

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