

SQL SERVER 2008/12

DEVELOPER TRACK



CURRICULUM

» Basics

- Database
- DBMS
- RDBMS

» SQL Server Environment

- SQL Server 2005 and 2008, 2012

» SQL Language

- DDL
- DML (INSERT, UPDATE, DELETE, MERGE)
- TCL
- DDL
- DCL

» Data Integrity

- Domain Integrity
- Entity Integrity
- Referential Integrity

» Joins and Sub Queries

- SQL Operators
 - Relational Operators
 - Basic Relational operators
 - Advanced Relational operators
- 3. Logical operators
- Simple Queries
- Built in Functions
 - Character Functions
 - Number Functions
 - Date Functions
- Joins
- Sub-Queries
- Advanced Queries

» Views

- Create View
- Advantage of Views
- Updatable Views
- Non Updatable Views
- Indexed View

» Introduction to T-SQL

- Anonymous Block
- Stored Block

» Anonymous block(including 2008 features)

» Structured Exception Handling

» Cursors

- Declaring Cursors
- Modifications Through Cursors
- Types of Cursors
- Advantages of Cursors

» Stored block/Stored Procedures

- System Stored Procedure
- User Stored Procedures
- Advantages of Procedures
- Passing In/Out Parameters
- Altering Procedure
- Extended Stored Procedures

» User Defined Functions

- Scalar UDF
- Inline UDF
- Multi Statement Table UDF
- Table Variables, Temporary Tables

» Triggers

- DML Triggers (After | Instead of)
- DDL Triggers
- Magic Tables
- Advantages of Triggers

» Transactions and Locks

- Implicit Transactions
- Explicit Transactions
- TCL Commands
- Lock Types
- Isolation Levels
- Dead Locks
- MS-DTC

» Indexes

- Clustered Index
- Non Clustered Index
- Creating Index
- Advantages of Indexes

» Security

- Windows Authentication
- SQL Server Authentication
- Creating Login
- Database Permissions
- Introduction to Roles, Schema
- Dropping Login

» Data Transformation Services

- BCP
- Data Transformation Services Packages / Sql Server Integration Services Packages

» Features of 2012

- Column store indexes
- Sequence objects
- Pagination
- Error handling

Partners :



Java



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