



SQL Server Course Content

Introduction to DBMS

- Understanding data storage in HDMS
- Understanding data storage in NDBMS
- Introduction to RDBMS
 - Understanding CODD Rules
 - Understanding SEQUEL

Introduction To SQL Server

- Data Definition Language
- Using Constrains
 - Not Null, Unique, Primary, Check
 - Referential Integrity and Self Referential Integrity
 - Using Cascading Rules
- Performing DML Operations
- Writing Queries using
 - Functions
 - Single Row and Group
 - Operators
 - Conditional, Logical and Set
 - Clauses
 - Where, Group By, Having and
 - Order By
 - Sub – Queries
 - Correlated Sub – Queries
 - Joins
- Transaction Control Language
- Creating tables from existing tables
- Managing Security with Data Control Language
 - User creation
 - Controlling the permission by Grant, Revoke and Deny
- Creating Views
- Understanding the Data Storage Architecture
- Creating Indexes
- Disadvantages of SQL and Introduction to PL/SQL
 - Writing Programs using PL/SQL
 - Understanding Cursors
 - Types of Cursors



Introduction to Sub-Programs

- Writing procedures
 - Handling Errors in Procedures
 - Transaction Management in Procedures
- Writing User-Defined Functions
 - Disadvantages of Functions
 - Writing Triggers
 - Types of Triggers

DML and DDL Triggers (SQL Server 2008)

- **Overview of new features in SQL Server 2008**