SQL Server 2008

Objective: This course is designed primarily for candidates who want be trained in Sql Server 2008 to get complete knowledge of databases, their manipulation and maintenance.

Brief Course Content

About SQL Server

SQL Server Editions, Installing SQL Server

Basics of Database Design

Normalization, Introducing SQL Server Management Studio,Understanding Logical Data Modelling,Creating a Database,Adding Tables, Creating Indexes and Constraints, Building Relations

T-SQL Basics

What is SQL?, Syntax Conventions, Executing SQL Statements, Identifiers, Creating Data Types, Operators, Variables, Functions, Using SQL to Build and Alter Objects

SELECT queries

The SELECT/FROM/WHERE/ORDER BY/GROUP BY AND HAVING Clause/Using TOP N, Inner Join, Self Join, Outer Join and Cross Join, Basic SQL SELECT and SELECT INTO Statements, Sorting SELECT Query Results with ORDER BY, Nested & Correlated Subqueries,Union, Date & Time, String and Math System Functions,Dynamic SQL for Automatic Query Generation, The GROUP BY Clause & Aggregate Functions,

Action Queries

DELETE/INSERT/UPDATE, INSERT INTO Statement with VALUES Clause, Understanding INSERT and SELECT Subquery, Data Removal with the DELETE Statement, Data Modification with the UPDATE Statement,

Views, Stored Procedures, and Functions

Using Views, Using Stored Procedures, Using Functions

Advanced Transact-SQL

Transactions, Cursors, Structured Error Handling, Concept of Commit, rollback

Triggers

Creating/Altering Triggers, Using the Inserted and Deleted Tables, Recursive and Nested Triggers

SQL Server 2008 Services

The Import and Export Wizard, Attaching/Detaching Databases, Backup of Databases/Restoring Databases

SQL Server 2008 Reporting Services

Using Report Designer, Publishing a Report, Using Report Builder/Report Manager, Security and SQL Server, Choosing Service Accounts, Authentication Modes

Roles/Users/Permissions/Object Ownership

Eligibility

Diploma in computer applications/Doeacc O, A , B/ M.Sc IT/ B.Sc. IT/MCA/BCA or others with relevant experience in Computers