




Are You Ready?

Advanced SQL Developer Online Master Class

SQL Server is an enterprise level RDBMS server with a very powerful database engine capable of handling toughest of requirements in terms of scalability, availability, extensibility and performance. T-SQL differs from other programming language in many aspects. It's easy to write a query, however writing an optimized query is an art and requires a solid understanding of T-SQL concepts and tuning techniques. This course is designed to give you the right amount of knowledge and loads of practical implementation techniques to write and tune queries in T-SQL. It also covers the In-Memory technology introduced in SQL Server 2014. Overall, this is the most detailed, advanced & comprehensive training on T-SQL programming, query tuning and optimization. The course will be taught by Ahmad Osama, Microsoft Data Platform MVP & Senior Consultant at SQLMaestros. To know more, visit <http://www.sqlmaestros.com/sql-server-classes-india/>

 classes@sqlmaestros.com

**SQLMaestros**



Course Title:

Advanced T-SQL Programming, Querying & Optimization

Duration: 40 hours(4 hours per day, 10 working days/2 consecutive week)

Schedule:

To browse the latest schedule of Advanced SQL Developer Master Class, visit:

<http://www.sqlmaestros.com/sql-server-classes-india/>

Key Highlights of Training:

- The most advanced SQL developer workshop
- 40 hours of deep dive learning
- True level 300-400, exclusive content
- Packed with real-world knowledge, get real-world exposure
- Get your own copy of SQLMaestros course material
- Packed with real-world demos and examples
- Learn from the Master: Amit Bansal is one of the very few Microsoft Certified Masters.

To know more about SQL Master Classes, visit

<http://www.sqlmaestros.com/sql-server-classes-india/>

About The Instructor:

Amit R S Bansal, Director at eDominer Systems, is a Microsoft Certified Master of SQL Server & Microsoft MVP. He has worked on countless SQL Server projects since 1997, consulted, trained & mentored more than 15000 SQL Server professionals, delivered more than 500 workshops for 150+ SQL Server customers worldwide. He also speaks at international conferences on SQL Server and authors SQL content for Microsoft Corporation. Amit also holds an honorary status of Microsoft Regional Director.

Course Outline:

- Module 1: Logic & Physical Query Processing
Phases introduced in SQL Server 2005, Physical Query Processing & Data Flow, Query Plans & Compilations and more!!!
- Module 2: Joins & Set Operations
CROSS, INNER, OUTER, Self-joins, Non-equi joins, joining more than 2 tables and more!!!
- Module 3: Subqueries & Table expressions
Subqueries, Self-contained, Correlated, Table Expressions, Derived Tables, Common Table Expressions(CTE) and more!!!
- Module 4: Advanced T-SQL Querying
Aggregating & Pivoting Data TOP n, APPLY, Ranking , Graphs, Tree, Hierarchies and Recursion and more!!!
- Module 5: Data Modifications
Inserting Data, Deleting Data, Updating Data, Assignment UPDATE and more!!!
- Module 6: Programmable Objects
Stored Procedures ,Views, Triggers, Dynamic SQL – EXEC, sp_executesql, Dynamic SQL uses, SQL Injection and more!!!
- Module 7: Temporary Tables & Table Variables
Temporary Tables, Table variables, Tempdb considerations and more!!!
- Module 8: Transactions & Concurrency
Locking and blocking, Isolation levels, Save Points, Deadlocks, Guidelines & Best Practices for Transactional code, Concurrency problems and more!!!
- Module 9: Exception Handling
Exception Handling, TRY, CATCH and more!!!
- Module 10: Query Tuning & Optimization
Transactional and Procedural code Tuning Methodology, Monitoring Query Performance, Index Tuning, Best Practices and more.
- Module 11: Programmability Enhancements in SQL Server 2008 & 2012
TVPs, Merge, Dependency Views and more.
- Module 12: Index and Query Tuning
Inline specification of CLUSTERED and NONCLUSTERED, select into enhancement, T-SQL for In-memory OLTP. In- Memory OLTP - In-Memory Architecture, Supported Datatypes, Accessing Memory optimized tables, Natively compiled stored procedures, Transaction logic and more!!!
- Module 13: Resource Governor
• Concept & Architecture
• Implementation
- Module 14: Table & Index Partitioning
• Concept & Architecture
• Implementation



About SQLMaestros

SQLMaestros.com, a brand of eDominer Systems, is a focused team of Microsoft Data Platform specialists. Over the last decade we have consulted & trained more than 120+ customers on countless SQL Server projects. We demonstrate in-depth expertise and offer world-class consulting services. Our team travels extensively across the globe to deliver consulting & training services. We offer SQL Server training globally through our online & video based trainings. More than 150 customers have hired us to train & mentor their SQL resources.

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