

SQL Tuning – Advanced

Learn advanced techniques to optimize SQL queries and improve database performance.

Category: Programming · Duration: 2 days

WHO IT IS FOR

- Developers and DBAs who work with data every day
- Practitioners who already use it daily and want to go further

This training program covers advanced SQL tuning techniques, allowing participants to gain a deep understanding of optimizing SQL queries and enhancing overall database performance. Through hands-on exercises and real-world case studies, participants will learn how to effectively analyze and tune SQL statements, utilize indexes and hints, optimize query execution plans, and improve performance in complex database environments.

Prerequisites

Basic knowledge of SQL and database concepts.

Syllabus

- Introduction to SQL tuning
- Understanding execution plans
- Analyzing query performance
- Tuning SQL statements
- Optimizing indexes
- Using hints and query optimization techniques
- Performance tuning in complex database environments
- Tuning SQL queries for large datasets
- Using advanced SQL features for optimization
- Database performance monitoring and tuning
- SQL performance tuning best practices
- Troubleshooting and resolving performance issues
- Case studies and real-world examples
- Hands-on exercises and practical demonstrations