

Future Q Technologies

➤ **Getting Started with SQL Server**

Setting up SQL Server

- Selecting installation options
- Installing a named instance
- Leveraging essential tools
- SQL Server Management Studio
- Configuration Manager
- Transact-SQL
- sqlcmd
- PowerShell
- Dedicated Administrator Connection

➤ **Constructing and Managing Databases**

Inspecting storage structures

- Relating servers, databases and files
- Creating databases and transaction logs
- Designing file groups
- Maximizing storage utilization
- Placing tables on file groups
- Upgrading and moving databases
- Choosing between upgrade and migration
- Detaching and attaching databases
- Controlling database space
- Permitting automatic database growth
- Adding database files to expand databases

➤ **Handling Server and Database Security**

Implementing server security

- Comparing authentication modes
- Defining logins
- Creating user-defined server roles
- Enforcing password policy
- Granting database access
- Contrasting users and logins
- Adding users
- Defining new roles
- Delegating privileges with predefined roles
- Repairing mismatched logins

➤ **Granting and Revoking Permissions**

Managing database-scoped privileges

- Permitting object creation
- Giving blanket permissions
- Defining object-level permissions
- Limiting object access
- Meeting complex permission requirements with roles

➤ **Backup and Recovery**

Backing up databases

- Selecting a recovery model
- Investigating the transaction log
- Running full, log and differential backups
- Restoring databases

Future Q Technologies Pvt Ltd

Ph : +91.9581111796 / 9581111896

Email: info@futureqtech.com ; URL: www.futureqtech.com ; www.facebook.com/futureqtech

Future Q Technologies

- Performing a post-crash log backup
- Rebuilding the master database
- Recovering user and system databases
- **Streamlining Tasks with Jobs, Alerts and Database Mail**
 - Configuring SQL Server Agent**
 - Setting agent properties
 - Implementing database mail
 - Defining jobs to handle routine tasks
 - Creating alerts and operators
 - Initiating multi-step jobs
 - Associating alerts with jobs
- **Database Maintenance and Monitoring**
 - Handling fragmentation and database corruption**
 - Identifying and curing fragmentation
 - Repairing database corruption
 - Building database maintenance plans
 - Scheduling plan execution
 - Notifying operators of success or failure
 - Resolving contention problems
 - Identifying blocked processes
 - Killing blockers

Future Q Technologies Pvt Ltd

Ph : +91.9581111796 / 9581111896

Email: info@futureqtech.com ; URL: www.futureqtech.com ; www.facebook.com/futureqtech