# Module 1: Introduction to MSSQL

* Overview of MSSQL and its history
* Understanding database concepts and terminology
* Differences between MSSQL and other relational database management systems (RDBMS)

# Module 2: Installation and Configuration

* Installation of MSSQL server
* Configuration of server and client tools
* Best practices for installation and configuration

# Module 3: Data Types and Tables

* Overview of data types in MSSQL
* Creating tables and primary keys
* Data integrity and constraints

# Module 4: Querying Data

* Introduction to Structured Query Language (SQL)
* Retrieving data using SELECT statement
* Filtering and sorting data

# Module 5: Advanced Querying

* Querying multiple tables using JOINs
* Subqueries and nested queries
* Working with aggregate functions

# Module 6: Stored Procedures and Functions

* Creating and executing stored procedures
* Functions and their uses
* Differences between stored procedures and functions

# Module 7: Transactions and Concurrency

* Understanding transactions and their importance
* Implementing transactions
* Managing concurrency issues in multi-user environments

# Module 8: Security and Authentication

* Introduction to MSSQL security features
* Authentication and authorization
* Implementing security best practices

# Module 9: Performance Tuning and Optimization

* Understanding performance tuning and optimization
* Query optimization techniques
* Indexing strategies and best practices

# Module 10: Maintenance and Backup

* Maintenance tasks and best practices
* Backup and recovery strategies
* Automating maintenance tasks

# Conclusion

* Recap of key concepts covered in the course
* Encouragement to continue learning and exploring MSSQL