

1 Advanced TSQL topics

- Aggregating, Windowing, and Grouping
 - Performing Aggregations
 - Performing Aggregations with Groupings
 - Using the HAVING Clause
- Using SQL Server temporary objects
 - Common table expressions
 - Table Variables
 - Temporary Tables
- Handling T-SQL errors
- Controlling flow keywords
 - BEGIN...END
 - IF...ELSE
 - WHILE

2 Views

- What are views?
- Create views with SSMS and T-SQL
- Alter and drop views
- Creating indexed views
 - Referenced table requirements
 - Indexed view requirements
 - Create an indexed view

3 User-defined functions

- Understanding user-defined scalar functions
- Parameterizing functions
- Executing scalar functions
 - Calling scalar functions inline
 - Calling scalar functions using the EXECUTE keyword
- Understanding table-valued functions

Using table-valued functions
Limitations of functions

4 Stored procedures

Working with stored procedures
Using the EXECUTE keyword
Parameterizing stored procedures
Dropping stored procedures

5 Data manipulation triggers

Types of triggers
Creating triggers
Altering triggers
Dropping triggers
Enabling and disabling triggers