

Management Studio Basics

Management Studio Basics

Connecting to SQL Server Connecting to a Database Adding Comments Referencing Objects Case Sensitivity

Connecting to SQL Server Server holds databases Management Studio connection dialog box - Server name SERVER • If using a named instance, SERVER\INSTANCE Authentication Windows authentication Use Windows "run as" to change context SQL authentication Username and password stored in SQL Server Database · If not specified, uses your default database - Typically master TRAINSIGNAL **Connecting to a Database** USE <database> Databases dropdown box TRAINSIGNAL **Adding Comments** Comments can make queries readable Great for "notes" when learning TSQL -- Single line comment -- Everything after dashes commented Multiline comment Everything in here is commented

Referencing Objects

Each object has four parts to its name

- Server
- Default to the current server
- Database
- Default to current database
- Schema
- · Defaults to configurable schema or dbo
 - Best practice is to always specify the name of the schema
- Object name

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Referencing Objects

Keywords and special characters in an object name

- [] (Square brackets)
- "" (Double quotes)
 - Must be enabled on server
 - Quoted identifiers

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Case Sensitivity

TSQL keywords are not case sensitive

- Convention is to put keywords in all capital letters

String comparisons may be case sensitive

- Can be set on database
- Can be changed in query



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Statement Components

SELECT <columns> FROM <tables>

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Using SELECT

SELECT chooses columns

Columns separated by commas

- Convention: List columns on separate lines
- Be consistent

Can use * for all columns

Bad practice

SELECT FirstName LastName

EmailAddress

FROM Person.Contact

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Column Aliases

Change name of columns

- External application may need different names
 Certain operations remove column name

<column> AS <alias>

Performing Calculations

Perform calculations to determine values Perform string concatenation to enhance display Typical math operators supported:

- * (Multiply)
- / (Divide)
 + (Add Also performs string concatenation)
- (Subtract)
- % (Modulo)







