Installation/Setup

The most current version of SQL Helper can be found in the [Technology Toolbox](http://appliedwiki/wiki/index.php?title=Technology_Toolbox). Once installed from there, it should already be set up and ready to use.

Usage

**Beautify**

The Beautify command is meant to 'pretty print' any SQL that is copied to the Windows clipboard. To use it, copy a SQL statement to the clipboard. Right-click on the SQL Helper icon in the system tray and select the 'Beautify' operation. A notification should display as to whether the operation was successful or not. If the 'Beautify' command was successful, the beautified SQL is copied back to the clipboard - overwriting the unformatted SQL.

Example: Consider the following simple SQL query is on the clipboard

SELECT TransDetail.AccountingMonth FROM TransDetail INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead WHERE TransHead.UniqTransHead = 65536

After executing the Beautify command, this would turn into

SELECT TransDetail.AccountingMonth   
FROM TransDetail   
INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead   
WHERE TransHead.UniqTransHead = 65536

**Commafy**

The 'commafy' command is meant to take a list of values that is on the clipboard - one per line - and append them together with a comma. It will then copy the data back to the clipboard. Depending on the options, it will also add a WHERE clause.

Example: Suppose a user executes a SELECT statement. They highlight an entire column in the results pane, right-click the pane, and choose 'Copy with headers'. They will have the following on their clipboard

UniqTransHead

65536

65537

65538

65539

After executing the 'commafy' command, with the default settings, the following text will be placed on the clipboard

WHERE UniqTransHead IN ('65536','65537','65538','65539')

**Quoteify**

The 'quoteify' command is meant to take SQL statements and format them in a fashion that they can be directly pasted into a Visual Studio Visual Basic project. To use it, copy a formatted SQL statement to the clipboard. Right-click on SQL Helper in the system tray and select the 'quoteify' option. The statement on the clipboard will be formatted, and then copied back to the clipboard.

Example: Suppose the following SQL statement is on the clipboard

SELECT TransDetail.AccountingMonth

FROM TransDetail

INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead

WHERE TransHead.UniqTransHead = 65536

After running the 'quoteify' command with the default settings, the following will be on the clipboard

" SELECT TransDetail.AccountingMonth " & \_

" FROM TransDetail " & \_

" INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead " & \_

" WHERE TransHead.UniqTransHead = 65536 "

**Unquoteify**

The 'unquoteify' command is meant to do the exact opposite of the 'quoteify' command. It will take SQL strings that are written in Visual Basic, and strip out the quotes and ampersands, leaving a SQL statement that can be directly pasted into SQL Server Management Studio. To use it, copy a SQL statement string from Visual Basic to the clipboard. Right-click on SQL Helper in the system tray and select the 'unquoteify' option. The statement on the clipboard will be formatted, and then copied back to the clipboard.

Example: Suppose the following Visual Basic code is on the clipboard

" SELECT TransDetail.AccountingMonth " & \_

" FROM TransDetail " & \_

" INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead " & \_

" WHERE TransHead.UniqTransHead = 65536 "

After running the 'unquoteify' command with the default settings, the following will be on the clipboard

SELECT TransDetail.AccountingMonth

FROM TransDetail

INNER JOIN TransHead ON TransDetail.UniqTransHead = TransHead.UniqTransHead

WHERE TransHead.UniqTransHead = 65536

Settings

The default settings should be set to handle most queries but if the settings do need to change, the Settings window can be accessed by right-clicking on the SQL Helper icon in the system tray and selecting the 'Settings' option.

**Words to split on**

The 'Words To Split On' listview displays all of the SQL keywords that the 'Beautify' option will create a newline for. Additional keywords can be added by tying the keyword in the textbox and clicking the 'Add' button. If it is no longer necessary to add a newline for a keyword, select it and click the 'Delete' button. To reset the keywords, simply click the 'Reset' button.

**Beautify Tab**

This tab contains all of the settings for the 'Beautify' command.

* Add newlines for inner SELECT statements
  + If this box is checked, the 'Beautify' command will also add newlines for inner SELECT statements (based on the keywords in the Words to split on listview).
* CASEify (Add newlines for CASE statements)
  + If this box is checked, CASE statements will have newlines added to the CASE, WHEN, and ELSE keywords.
* Newlines after semicolons
  + Specifies how many blank spaces are added after a semicolon (statement terminator) is encountered
* Columns per line for SELECT/ORDER
  + Specifies how many columns are listed per line for SELECT and ORDER statements

**Commafy Tab**

This tab contains all of the settings for the 'Commafy' command.

* Create Where In Clause
  + When performing the commafy operation, the keywords 'WHERE IN' will be added to the front of the commafied values
* Include WHERE
  + This option is not implemented
* Include Column Name
  + This option is not implemented
* Include IN
  + This option is not implemented
* Include ()
  + This option is not implemented

**Quoteify Tab**

This tab contains all of the settings for the 'Quoteify' command.

* Remove CamelCase
  + If this option is selected, the 'quoteify' command will make all column names lowercase.
* Capitalize KEYWORDS
  + If this option is selected, the 'quoteify' command will capitalize all SQL Keywords
* Replace numbers
  + This option is not implemented
* Replace NonKeywords
  + This option is not implemented
* Indent spaces
  + This value determines how many spaces are inserted before each 'quotified' line
* Max width
  + This value determines the maximum length of a line that is parsed before that line is split to a new line

**Unquoteify**

This tab contains all of the settings for the 'Unquoteify' command.

* Beautify
  + If this option is selected, the 'unquoteified' text will also have the 'Beautify' operation run on it
* Replace variables with
  + If this option is selected, any variables that the 'unquoteify' operation comes across will be replaced with the text in the corresponding textbox
* Replace ToDbString with
  + If this option is selected, any ToDbString method calls that the 'unquoteify' operation comes across will be replaced with the text in the corresponding textbox.