

# m\_utl\_quote\_elems.sas File Reference

## Utilities

Utility macro to create a quoted and delimited list of words

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### Description

The macro reads a string with a list of words as input which can be delimited with a blank or comma. The list is transferred by quoting each word within the string and is separated by a delimiter. This output delimiter can be a blank or a comma. This macro is originally based on the ut\_quote\_elems.sas macro program by Dave Prinsloo (dave.prinsloo@yahoo.com)

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### Version

22.1.10

### Link

<https://github.com/paul-canals/toolbox>

## Parameters

Input	help	Parameter, if set (Help or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	list	Character string containing a of words. The default value is: <code>_NONE_</code> .
Input	in_dlm	Indicator [BLANK COMMA] to select the input delimiter type. The default value is: BLANK.
Input	out_dlm	Indicator [BLANK COMMA] to select the output delimiter type. The default value is: COMMA.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

## Returns

- Quoted string of words or numbers.

## Calls

- [m\\_utl\\_print\\_message.sas](#)
- [m\\_utl\\_print\\_mtrace.sas](#)

## Usage

Example 1: Show help information:

```
%m_utl_quote_elems(?)
```

Example 2: Select all female names from Class dataset:

```
%let list=
  %m_utl_quote_elems(
    list      = %str(Alice, Jane, Janet, Joyce, Judy)
    , in_dlm   = COMMA
    , out_dlm  = COMMA
    , debug    = Y
  );

data WORK.class;
  set SASHELP.class;
  where Name in (&list.);
run;

proc print data=WORK.class;
run;
```

Example 3: Select all male names from Class dataset:

```
%let list=
  %m_utl_quote_elems(
    list      = %str(Alfred Henry Jeffrey James John)
    , in_dlm   = BLANK
    , out_dlm  = COMMA
    , debug    = Y
  );

data WORK.class;
  set SASHELP.class;
  where Name in (&list.);
run;

proc print data=WORK.class;
run;
```

Example 4: Quote a list of numeric numbers:

```
%let list=
  %m_utl_quote_elems(
    list      = %str(1 2 3 4 5 6 7 8 9)
    , in_dlm   = BLANK
    , out_dlm  = COMMA
    , debug    = Y
  );

%put &=list.;
```

Example 5: Quote a list of numeric numbers:

```
%let list=
  %m_utl_quote_elems(
    list      = %str(1, 2, 3, 4, 5, 6, 7, 8, 9)
    , in_dlm   = COMMA
    , out_dlm  = BLANK
    , debug    = Y
  );

%put LIST=(&list.);
```

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