

m_utl_delete_index.sas File Reference

Utilities

Utility macro to delete an index from a given table or dataset

Description

The macro deletes an index from a given table or dataset by using the PROC DATASETS procedure. This macro can be included inline into an existing PROC DATASETS step by setting the INLINE_FLG parameter to Y. Also there is a build in check on INDEX_NAME or INDEX_COLS to verify that the given index does exist. If this is not the case, the macro returns silently.

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Version

20.1.01

Link

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

Parameters

Input	help	Parameter, if set (or ?) to print the Help information in the log. In all other cases this parameter should be left out from the macro call.
Input	table	Full LIBNAME.TABLENAME name of the or SAS dataset. The default value is _NONE_.
Input	index_name	Name of the index. If value is omitted the macro will use the INDEX_COLS to search for an index. The default value is: _NONE_.
Input	index_cols	Optional. List of column names separated by a blank character to search for an existing index. The default value is: _NONE_.
Input	inline_flg	Boolean [Y N] Parameter to declare if the macro is to be run inline inside a PROC DATASETS step. The Default value is: N.
Input	debug	Boolean [Y N] parameter to provide verbose mode information. The default value is: N.

Returns

- Deleted index from table

Calls

- [m_utl_chk_table_index.sas](#)
- [m_utl_print_message.sas](#)

Usage

Example 1: Show help information:

```
%m_utl_delete_index(?)
```

For the next examples create a table with several SIMPLE and COMPOSITE indexes:

```
data WORK.class;
  set SASHELP.class;
run;

proc datasets library=WORK nolist;
  modify class;
  index create Name;
  index create comp_1 = (Name Sex);
  index create comp_2 = (Name Age);
  index create comp_3 = (Sex Age Name);
quit;

proc print data=SASHELP.vindex;
  where libname='WORK' and memname='CLASS';
run;
```

Example 2: Delete simple index on Name (Result: index Name deleted):

```
proc datasets lib=WORK nolist;
  %m_utl_delete_index(
    table      = WORK.class
    , index_name = Name
    , inline_flg = Y
    , debug     = Y
  )
quit;

proc print data=SASHELP.vindex;
  where libname='WORK' and memname='CLASS';
run;
```

Example 3: Delete simple index on Name (Result: index not deleted):

```
%m_utl_delete_index(
  table      = WORK.class
  , index_cols = Name
  , inline_flg = N
  , debug     = Y
)

proc print data=SASHELP.vindex;
  where libname='WORK' and memname='CLASS';
run;
```

Example 4: Delete composite index on Name Age (Result: index COMP_2 deleted):

```
%m_utl_delete_index(
  table      = WORK.class
  , index_cols = Name Age
  , inline_flg = N
  , debug     = Y
);

proc print data=SASHELP.vindex;
  where libname='WORK' and memname='CLASS';
run;
```

Example 5: Delete composite index on Name Sex (Result: index COMP_1 deleted):

```

%m_utl_delete_index(
    table      = WORK.class
  , index_name = comp_1
  , inline_flg = N
  , debug      = Y
);

proc print data=SASHELP.vindex;
    where libname='WORK' and memname='CLASS';
run;

```

Example 6: Delete composite index on Sex Age (Result: index not deleted):

```

%m_utl_delete_index(
    table      = WORK.class
  , index_cols = Sex Age
  , inline_flg = N
  , debug      = Y
);

proc print data=SASHELP.vindex;
    where libname='WORK' and memname='CLASS';
run;

```

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