f_demo_sum_array.sas File Reference

Functions

Custom function to demonstrate how user defined functions work

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Description

The function can be called in a datastep, and has one argument called TEXT. When the function is called with the text HELLO?, then the function returns HELLO-WORLD!.

Note

To use this function and others, either the PROC FCMP procedure statement must be included when running this script, or called by the run_functs_compilation.sas script to create the function container under: /toolbox/source/sas/misc/scripts/.

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Version

23.1.10

Link

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

Parameters

Input	s	Array string value to call the function.

Returns

- The functions the sum of the array items.

Calls

- None

Usage

Example 1: Summarise all of 'ac' array item values

```
proc fcmp outlib=WORK.functs.demo;
   function f_demo_sum_array(s[*]) varargs;
       sum_ = 0;
       do i = 1 to dim(s);
          sum_ = sum_ + s[i];
       end;
       return(sum_);
   endsub;
quit;

options cmplib=WORK.functs;

data _null_;
  array ac[3] a b c;
  array dh[5] d e f g h;
  a = 1;
  b = 2;
  c = 3;
  d = 4;
  e = 5;
  f = 6;
  g = 7;
  h = 8;
  sum_ac = f_demo_sum_array(ac);
  sum_dh = f_demo_sum_array(dh);
  put sum_ac=;
  put sum_dh=;
run;
```

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