# TEST 1

## Test SAS Autocall macros

Confirm that macro can find SAS Autocall Macros:

<http://support.sas.com/documentation/cdl/en/mcrolref/61885/HTML/default/viewer.htm#a003167022.htm>

which the CSS/PhUSE project assumes are installed and available.

## Checks

1. Check that macro successfully identifies existence of standard autocall macros
   1. PASS with return value 1 searching for: CMPRES
   2. PASS with return value 1 searching for: QLEFT
   3. PASS with return value 1 searching for: LOWCASE
2. Check that macro fails to find non-existent macros
   1. FAIL with return value 0 searching for: CMPRE
   2. FAIL with return value 0 searching for: QLEF
   3. FAIL with return value 0 searching for: CSS\_LOWERCASING
3. Confirm exit with FAIL and return value 0 for null macro name
4. Confirm that checks are not case sensitive

# TEST 2

## Test SAS Autocall macros

Confirm that macro can find the CSS/PhUSE macros

<https://github.com/phuse-org/phuse-scripts/tree/master/whitepapers/utilities>

which the CSS/PhUSE project assumes are installed and available.

## Checks

1. Check that macro successfully identifies existence of standard autocall macros
   1. PASS with return value 1 searching for: ASSERT\_CONTINUE
   2. PASS with return value 1 searching for: UTIL\_DELETE\_DSETS

# TEST 3

## Test existence of newly defined macro

Confirm that macro can find a macro written on the fly to the WORK folder as CSS\_ONTHEFLY.SAS.

## Checks

1. Write a trivial macro definition into work file "css\_onthefly.sas", ensure new macro is available via the autocall paths and confirm that macro returns PASS with value 1.

# TEST 4

## Confirm expected log messages

The following log messages are EXPECTED due to test design (testing failure conditions):

WARNING: (TEST\_ASSERT\_MACRO\_EXIST) User must ensure PhUSE/CSS utilities are in the AUTOCALL path.

ERROR: (ASSERT\_MACRO\_EXIST) FAIL, unable to find macro CMPRE.

ERROR: (ASSERT\_MACRO\_EXIST) FAIL, unable to find macro QLEF.

ERROR: (ASSERT\_MACRO\_EXIST) FAIL, unable to find macro CSS\_LOWERCASING.

ERROR: (ASSERT\_MACRO\_EXIST) FAIL, please provide a non-missing macro name.