
Subject: the problem of using CALL_EXTERNAL()
Posted by [mengran](#) on Tue, 03 Mar 2009 02:39:02 GMT
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Hello , everyone! I am new here.

I just want to learn using the func of CALL_EXTERNAL(), after reading the demo that IDL provides(call_external_C), I write a simple test procedure, but the outcome of the test really confused me a lot. who can tell me why? Thank you a lot!

IDL SCRIPT:

PRO text1

```
x = 3
y = 4
call_ex_dir = FILEPATH("", SUBDIRECTORY=
[ 'external','call_external','C' ])
source = 'IDL_C_TEST'
MAKE_DLL, source, 'IDL_C_TEST', 'IDL_C_TEST', $
INPUT_DIR=call_ex_dir, DLL_PATH=shlib, $
VERBOSE=verbose, SHOW_ALL_OUTPUT=verbose
IF (CALL_EXTERNAL(shlib,'IDL_C_TEST', $
    x, y,/CDECL, $
    AUTO_GLUE=auto_glue, VERBOSE=verbose, $
    SHOW_ALL_OUTPUT=verbose) EQ 1) then BEGIN
PRINT,'After calling simple_vars:'
PRINT, x,y
HELP,shlib
ENDIF
END
```

C SCRIPT:

```
#include <stdio.h>
#include "idl_export.h" /* IDL external definitions */
int IDL_C_TEST(int *x, int *y)
{

    *x = *x + 1;
    *y = *y + 1;
    return 1;
}
```

THE RESULT IS :
