
Subject: CALL_EXTERNAL... unresolved?

Posted by [umesh](#) on Thu, 09 Sep 2004 23:30:22 GMT

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Hi!,

Thanks a lot for the reply for my previous posting. I changed the names of the files to
braintest.c and braintest.pro and changed the return value to IDL_INT
(;-))

PRO braintest

```
sc = 5.0
xx=CALL_EXTERNAL('/home/upadiga/work/IDLwork/braintest.so','braintest',
sc)
print, sc
end
```

```
#include <stdio.h>
```

```
#include <math.h>
```

```
#include "/usr/local/rsi/idl_6.0/external/include/idl_export.h"
```

```
float Scale;
```

```
IDL_INT braintest(int argc, char *argv[])
```

```
{
```

```
Scale = *(float *) argv[0];
```

```
Scale = pow(Scale, 5);
```

```
return(1);
```

```
}
```

and compiled with

```
gcc -c -fPIC braintest.c
ld -shared -o braintest.so braintest.o
```

```
IDL>.r braintest
```

```
IDL>braintest
```

gives me the error message:

```
% CALL_EXTERNAL: Error loading sharable executable.  
    Symbol: braintest, File =  
    /home/upadiga/work/IDLwork/braintest.so  
    /home/upadiga/work/IDLwork/braintest.so: cannot open  
shared  
    object file: No such file or directory  
% Execution halted at: BRAINTEST      4  
    /home/upadiga/work/IDLwork/braintest.pro  
%      $MAIN$
```

This is very similar to the earlier one.

The file "braintest.so" is there in "/home/upadiga/work/IDLwork/" directory.

I copied the shared library file "braintest.so" to "/usr/local/rsi/idl_6.0/bin/bin.linux.x86/" and tried again. The error message is the same. I then copied the "braintest.so" to "/home/upadiga/.idl/idl_6_0_linux_x86_m32_f64/compile_dir/" and ran the idl program again but the error message is same!!

Is there any problem in my compilation and loading commands. Do I have to make some file to direct the dll (like I used make in IDL5.5 on Windows2000).

Please let me know!

Thanks again,

umesh
