Subject: [call_external] how to use it? Posted by Richard Hitier on Wed, 12 Dec 2001 14:51:40 GMT

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(getting very high values ...)

```
Hi there.
```

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I've been trying to use this fonctionality for hours now,
but... couldn't succeed:(
1st: the manual example doesn't work for me
   the array pointer doesn't point to the good values.
```

2nd: in my own example it seems that I have to use long interger in idle to be able to use (int) in the C code.

I'm trying to modify an array throug C routine, but couldn't: working with the array pointer doesn't seem to alter the idl array at all.

I'm working on a Solaris station, using gcc compiler.

There are the files:

```
-----test.c-----
int function(int argc, void *argv[])
{
    int s=0,*ip;
    int i:
    for (i=0, ip=(int*)argv[0]; i<*(int*)argv[1]; i++, ip++)
      s+=*ip;
      printf("i:%d ip:%f \n",i,*ip);
    return(s);
}
-----test.pro------
pro none, zize
  tab = indgen(zize)
  machin=10
  print, "d'abord"
  print, tab
  i=call external('none.so', 'function', tab, n elements(tab))
```

```
print, "ensuite", i
print, tab
end
------Makefile------
.SUFFIXES:
.SUFFIXES: .c .so
.c.so:
gcc -g -fPIC $< -shared -o $@
```

By the way, does any one knows about calling an idl procedure on unix command line as any other unix exe?

I mean gently passing the args via command line?

Thanks

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richard Hitier