
Subject: static variable mayhem

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Hi.

I'm trying to do something very simple, but IDL 5.02 is fighting me. I'm trying to have what would be a static variable in c/c++ in a function set as a flag so that it is initialized when i come in, like so:

```
function foofunc, x
;In c/c++ I would put this next line to init my flag the 1st time this fn
is called
; from foopro below.
;static int firstTimeInFooFunc = 1; ;Set to 1 ONLY the 1st time foofunc
called

if (firstTimeInFooFunc) then begin
    firstTimeInFooFunc = 0 ;Set so this'll never happen again on subsequent
calls
    return, x = x - 1
endif $
else return, x = x + 1
end

pro foopro
x = foofunc(0)
print, x
x = foofunc(x)
print, x
x = foofunc(x)
print, x
return
end
```

the output I want is:

```
-1
0
1
```

I tried:

```
function foofunc, x
    common CBlock, firstTimeInFooFunc = 1
...
```

but IDL won't let me initialize firstTimeInFooFunc like this.
Then I thought probably IDL would initialize it for me automatically to 0.

So i just changed the code to:

```
...  
function foofunc, x  
  common CBlock, firstTimeInFooFunc    ;I think this'll init to 0  
  
  if (NOT firstTimeInFooFunc) then begin  ;init'd to 0, so I'll just NOT  
the bastard  
    firstTimeInFooFunc = 1 ;Set so this'll never happen again on subsequent  
calls  
    return, x = x - 1  
  endif $  
...
```

No such luck. It compiles, but when I single step to this line, I get
% Variable is undefined: FIRSTTIMEINFOOFUNC (CBLOCK).
% Execution halted at: FOOFUNC blah, blah, blah

I'm **sure** I'm missing something here. Doesn't IDL have static variables?
Can anybody help, please?
