
Subject: Re: Function to return the current procedure/function
Posted by [Heinz Stege](#) on Sat, 05 Sep 2009 14:04:40 GMT
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On Sat, 5 Sep 2009 07:05:31 -0600, David Fanning wrote:

```
> maurya writes:  
>  
>> Is there any function to return the current procedure/function name  
>> only not all?  
>>  
>> There is one function "ROUTINE_INFO" which provide information about  
>> all currently-compiled procedures and functions. But, I want to get  
>> the name of the procedure/function using a function (say Routine_Name)  
>> by calling in the same routine. e.g.  
>>  
>> Pro test_plot  
>>  
>> plot,findgen(200)  
>> ;  
>>  
>> print, Routine_Name()  
>>  
>> end  
>>  
>> The print function should return 'test_plot'.  
>  
> ProgramRootDir does this:  
>  
> http://www.dfanning.com/programs/programrootdir.pro  
>  
> Cheers,  
>  
> David
```

An alternative approach is the SCOPE_TRACEBACK function, which is part of IDL:

```
IDL> info=scope_traceback(/structure)  
IDL> n=n_elements(info)  
IDL> help,info[n-1],/structure  
** Structure IDL_TRACEBACK, 8 tags, length=36, data length=36:  
ROUTINE      STRING  'DISPLAY'  
FILENAME     STRING  'C:\my_routines\display.pro'  
LINE        LONG    99  
LEVEL        LONG    1  
IS_FUNCTION   BYTE    0  
METHOD       BYTE    0
```

```
RESTORED    BYTE    0
SYSTEM      BYTE    0
IDL> print,'Routine name is: '+info[n-1].routine
Routine name is: DISPLAY
```

Heinz
