
Subject: Re: Function to return the current procedure/function

Posted by [maurya](#) on Sat, 05 Sep 2009 16:16:10 GMT

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On 5 Sep, 19:04, Heinz Stege <public.215....@arcor.de> wrote:

> 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
```

Thanks Heinz,

I was looking for such function.

The routine suggested by David is good for finding the root directory name.

I got the answer as follow:

```
.....
Function Routine_Name

Info=scope_traceback(/structure)
n=n_elements(Info)

FullName=Info[n-2].FileName

SP=Strpos(FullName,'\', /Reverse_Search)

Proc=Strmid(FullName,SP+1,Strlen(FullName)-SP)

Return,Proc

End

Pro Test_Plot

Plot,Findgen(200)

Print,Routine_Name()

End
.....
IDL> test_plot
Compiled module: ROUTINE_NAME.
test_plot.pro
```

Ram
