## Subject: Capturing print command output
Posted by Nicolas on Mon, 17 Nov 2008 13:28:50 GMT
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Hi folks,

I have an interesting problem for you to solve! :)

What I am trying to do is to capture the expressions output by a
routine containing IDL 'print' commands.
Of course without modifing the code of this routine (no 'printf').

I have though about the following solutions:
1- Make a wrapper of the routine that what to execute
2- Make a sort of 'buffer listener' that can restore its content on
demand
3- Temporarily redirect the standard output of the 'print' command

None of them seems to be conclusive. Do you have any other ideas?

Cheers,
Nicolas

## Subject: Re: Capturing print command output
Posted by pgrigis on Mon, 17 Nov 2008 16:14:29 GMT
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Nicolas wrote:

>> This certainly doesn't meet all of your requirements but journal might
>> meet some (enough) of your needs with zero effort?
>>
>> Cheers,
>>
>> Brian
>>
>> ------------------------------------------------------------ --------------
>> Brian Larsen
>> Boston University
>> Center for Space Physicshttp://people.bu.edu/balarsen/Home/IDL
>
> Indeed but I could be a nice workaround.
> I realized that what I need is actually a pipe for redirecting IDL
> routine/function standard output

On UNIX like system you can certainly do
idl > log.txt

and variations thereof.
Ciao,
Paolo


>
> Anyway, thank you very much!

---

## Subject: Re: Capturing print command output
Posted by Abraham campbell on Mon, 17 Nov 2008 17:58:57 GMT
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On Nov 17, 9:14 am, Paolo <pgri...@gmail.com> wrote:
> Nicolas wrote:
>>  On Nov 17, 3:52 pm, Brian Larsen <balar...@gmail.com> wrote:
>>>  This certainly doesn't meet all of your requirements but journal might
>>>  meet some (enough) of your needs with zero effort?
>
>>>  Cheers,
>
>>>  Brian
>
>>>  ---------------------------------------------------------- -------------
>>>  Brian Larsen
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>>  I realized that what I need is actually a pipe for redirecting IDL
>>  routine/function standard output
>
>  On UNIX like system you can certainly do
>  idl > log.txt
>  and variations thereof.
>  Ciao,
>  Paolo
>
>
>
>>  Anyway, thank you very much!

You can also redirect IDL output with the Windows Command line app,
e.g.
>  idl.exe > idl.out

---

## Subject: Re: Capturing print command output

Posted by Craig Markwardt on Tue, 18 Nov 2008 05:27:16 GMT

On Nov 17, 8:28 am, Nicolas <primese...@gmail.com> wrote:
> Hi folks,
>
> I have an interesting problem for you to solve! :)
>
> What I am trying to do is to capture the expressions output by a
> routine containing IDL 'print' commands.
> Of course without modifing the code of this routine (no 'printf').
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> I have though about the following solutions:
> 1- Make a wrapper of the routine that what to execute
> 2- Make a sort of 'buffer listener' that can restore its content on
> demand
> 3- Temporarily redirect the standard output of the 'print' command
>
> None of them seems to be conclusive. Do you have any other ideas?

If you go for the 'wrapper' approach, you might consider PRINTLOG,
which is a drop-in replacement for PRINT, with logging.

Craig
PRINTLOG found here:
http://cow.physics.wisc.edu/~craigm/idl/io.html