## Subject: Print 2 arrays side by side in one file Posted by a.mozafari1211 on Thu, 19 Nov 2009 13:34:19 GMT

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Hi;

I need to print 2 arrays side by side in one file I put something like this:

openw,1,'FINAL.dat' printf,2, x,y, format='(3f14)' close,2

Unfortunately in output file it prints first x array and then y like this:

X y

will you please help me to fix this?

Α.

Subject: Re: Pri

Posted by KRDean on Thu, 25 Feb 2010 15:38:36 GMT

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On Feb 25, 7:53 am, Lasse Clausen < I...@lbnc.de> wrote:

> Hi there,

>

- I have written a little routine that prints out the usage of routines/
- > procedures written in IDL on the command line. Like so:

>

- > IDL> pri, 'reverse'
- > +---+
- > Function REVERSE
- > Usage:
- > Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE)
- > Source:
- > /usr/local/itt/idl/lib/reverse.pro
- > +---+
- >
- > or

>

- > IDL> pri, 'pri'
- > +---+
- > Procedure PRI
- > Usage:
- > PRI, ROUTINE\_NAME, NO\_COMPILE=NO\_COMPILE, SOURCE\_FILE=SOURCE\_FILE,
- > USAGE=USAGE

> Source: /davit/lib/vt/idl/misc/pri.pro I find this routine incredibly helpful as it allows me to check how to use routines without having to leave the IDL command line. > If you are interested, you can download it here:http://sd-work5.ece.vt.edu/pri.pro > > Cheers > Lasse Clausen Interesting! However, do I need PRINFO for it to work? Kelly Dean Fort Collins, CO Subject: Re: Pri Posted by Lasse Clausen on Thu, 25 Feb 2010 15:55:51 GMT View Forum Message <> Reply to Message On Feb 25, 10:38 am, kBob < krd...@gmail.com > wrote: > On Feb 25, 7:53 am, Lasse Clausen <l...@lbnc.de> wrote: > > >> Hi there, >> I have written a little routine that prints out the usage of routines/ >> procedures written in IDL on the command line. Like so: >> IDL> pri, 'reverse' >> +---+ >> Function REVERSE >> Usage: >> Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE) >> Source: /usr/local/itt/idl/lib/reverse.pro >> +---+

>> PRI, ROUTINE\_NAME, NO\_COMPILE=NO\_COMPILE, SOURCE\_FILE=SOURCE\_FILE,

>> or

>> +---+

>> Usage:

>> IDL> pri, 'pri'

>> Procedure PRI

```
>> USAGE=USAGE
>> Source:
>> /davit/lib/vt/idl/misc/pri.pro
>> +---+
>
>> I find this routine incredibly helpful as it allows me to check how to
>> use routines without having to leave the IDL command line.
>
>> If you are interested, you can download it here:http://sd-work5.ece.vt.edu/pri.pro
>> Cheers
>> Lasse Clausen
>> Interesting! However, do I need PRINFO for it to work?
>> Kelly Dean
> Fort Collins, CO
```

Ah. No, not really, just replace the call to PRINFO with PRINT.

Posted by mankoff on Thu, 25 Feb 2010 16:11:53 GMT

Lasse Clausen

Subject: Re: Pri

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/usr/local/itt/idl/lib/reverse.pro

> +---+

> +---+

> Usage:

> IDL> pri, 'pri'

> Procedure PRI

> > or

```
On Feb 25, 6:53 am, Lasse Clausen <l...@lbnc.de> wrote:

> Hi there,

> I have written a little routine that prints out the usage of routines/

> procedures written in IDL on the command line. Like so:

> IDL> pri, 'reverse'

> +---+

> Function REVERSE

> Usage:

> Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE)

> Source:
```

```
    PRI, ROUTINE_NAME, NO_COMPILE=NO_COMPILE, SOURCE_FILE=SOURCE_FILE,
    USAGE=USAGE
    Source:
    /davit/lib/vt/idl/misc/pri.pro
    +---+
    I find this routine incredibly helpful as it allows me to check how to
    use routines without having to leave the IDL command line.
    If you are interested, you can download it here:http://sd-work5.ece.vt.edu/pri.pro
    Cheers
    Lasse Clausen
    Looks useful, but similar to DOC_LIBRARY?
    -k.
```

On Feb 25, 11:11 am, mankoff <mank...@gmail.com> wrote: > On Feb 25, 6:53 am, Lasse Clausen <l...@lbnc.de> wrote: > > >> Hi there, >> I have written a little routine that prints out the usage of routines/ >> procedures written in IDL on the command line. Like so: >> IDL> pri, 'reverse' >> +---+ >> Function REVERSE >> Usage: >> Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE) >> Source: /usr/local/itt/idl/lib/reverse.pro >> +---+ > >> or >> IDL> pri, 'pri' >> +---+

Posted by Lasse Clausen on Thu, 25 Feb 2010 16:31:42 GMT

>> Procedure PRI

>> Usage:

Subject: Re: Pri

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```
>> PRI, ROUTINE_NAME, NO_COMPILE=NO_COMPILE, SOURCE_FILE=SOURCE_FILE,
>> USAGE=USAGE
>> Source:
>> /davit/lib/vt/idl/misc/pri.pro
>> +---+
>>
>> I find this routine incredibly helpful as it allows me to check how to
>> use routines without having to leave the IDL command line.
>>
>> If you are interested, you can download it here:http://sd-work5.ece.vt.edu/pri.pro
>> Cheers
>> Lasse Clausen
>> Looks useful, but similar to DOC_LIBRARY?
>> -k.
```

I wasn't aware of DOC\_LIBRARY. You learn something every day...

And yes, I guess it is very similar to DOC\_LIBRARY.

Lasse

Subject: Re: Pri Posted by JDS on Thu, 25 Feb 2010 20:12:38 GMT View Forum Message <> Reply to Message

```
On Feb 25, 9:53 am, Lasse Clausen <I...@lbnc.de> wrote:
> Hi there,
>
> I have written a little routine that prints out the usage of routines/
> procedures written in IDL on the command line. Like so:
>
> IDL> pri, 'reverse'
> +---+
> Function REVERSE
> Usage:
> Result = REVERSE(A, SUBSCRIPTIN, OVERWRITE=OVERWRITE)
> Source:
> /usr/local/itt/idl/lib/reverse.pro
> +---+
```

Since IDLWAVE does this as well (in context with C-c?), but also includes system routines (even when not available as .pro files), I thought I'd mention how it does so. Since around IDL 6.2, ITT has

distributed with IDL an XML file which describes all of their routines, system variables, object classes, etc.: idl/help/idl\_catalog.xml. It also gives detailed information on calling syntax, keywords, etc. Here's some simple code to parse this XML file to print the calling syntax of all the system routines for the currently running version of IDL:

```
dom=obj_new('IDLffXMLDOMDocument',VALIDATION_MODE=0, $
    FILENAME=filepath('idl_catalog.xml',SUBDIR='help'))
catalog=((dom->GetFirstChild())->GetNextSibling())->GetNextSibling()
routines=catalog->GetElementsByTagName('ROUTINE')

for i=0,routines->GetLength()-1 do begin
    routine=routines->Item(i)
    name=routine->GetAttribute('name')
    syns=routine->GetElementsByTagName('SYNTAX')
    print,name,':'
    for j=0,syns->GetLength()-1 do $
        print,' Syntax: ',(syns->Item(j))->GetAttribute('name')
endfor

obj_destroy,dom
```

A better version would gather the keywords as well (as IDLWAVE does) and place them in the syntax. Then perhaps tuck away a pair of string arrays into a common variable: sorted routine name, concatenated calling syntax. This could be used to look-up syntax (either as first priority, or second).

Beware of ALIAS\_TO entries, which point to aliases for the actual ROUTINE block, and could obviously be worked around. You could also consider grabbing the CLASS elements, which contain METHOD children with their own syntax, etc. Might be very useful to have an interface to this on the command line.

JD

P.S. Is there a reason a->b()->c doesn't work in IDL? I'd have thought `->' was left to right associative?