Subject: Re: Really really long format keywords
Posted by Liam E. Gumley on Mon, 22 Oct 2001 18:40:59 GMT

Sean Raffuse wrote:
> I would like to write formatted output to a file. My problem is that my
> format specifications are too long to fit on one line in IDL, yet I would
> like all of the data to be written to one line.
>
> eg.
>
> printf, lun, data, format = '(a5, 5x, f5.2, f5.2 . . . . . and so on . . .
> . . . . . .)
>
> Is there a character that I can use that works like the '$' character inside
> this string?

printf, lun, data, format = '(a5, 5x, f5.2,' + $
  'f5.2, a20, i13.3)'

Cheers,
Liam.
Practical IDL Programming
http://www.gumley.com/

Subject: Re: Really really long format keywords
Posted by Randall Skelton on Mon, 22 Oct 2001 18:42:43 GMT

What about just concatenating strings...

a = '(a5, 5x, '
b = 'f5.2, f5.2)'
ab = a + b

printf, lun, data, format = ab

On Mon, 22 Oct 2001, Sean Raffuse wrote:

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> format specifications are too long to fit on one line in IDL, yet I would
> like all of the data to be written to one line.
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> this string?
>
> Thanks,
>
> Sean Raffuse

Subject: Re: Really really long format keywords
Posted by Paul van Delst on Mon, 22 Oct 2001 19:21:51 GMT

Sean Raffuse wrote:
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> . . . . . .)
>
> Is there a character that I can use that works like the '$' character inside
> this string?

Assuming the format isn't going to change too much and there are repeatable format specifiers,
what about:

 printf, lun, data, format = '(a5, 5x, 2(1x,f5.2), 7(1x,i10), etc..)'

How long *is* one line allowed to be in IDL source code anyway?

paulv

--
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Fax:(301)763-8545   V.S.Naipaul

Subject: Re: Really really long format keywords
Posted by John-David T. Smith on Mon, 22 Oct 2001 19:26:38 GMT

"Liam E. Gumley" wrote:
>
> Sean Raffuse wrote:
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>> format specifications are too long to fit on one line in IDL, yet I would
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>>
>> eg.
>>
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>> . . . . . .)
>>
>> Is there a character that I can use that works like the '$' character inside
>> this string?
>
> printf, lun, data, format = '(a5, 5x, f5.2,' + $
>   'f5.2, a20, i13.3)'

By the way, did you know IDLWAVE will do this for you? [M-Ret] is the
continuation keystroke. In a regular line, it will insert `$' and move
to the next line (indented appropriately of course). Inside of a
string, it will close the string, insert "+ $", and start the string
again on the next line. It even works for existing strings.

Example:

  a= 'Now is the time for all good men to come to the aid.'

positioning on the g in good and hit [M-Ret] yields:

  a= 'Now is the time for all ' + $
    'good men to come to the aid.'

This is especially useful when a line which formerly fit gets moved over
by indentation changes (another enclosing if block, anyone?).

JD

Subject: Re: Really really long format keywords
Posted by Sean Raffuse on Mon, 22 Oct 2001 19:59:38 GMT
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Hehe. The longest a line of source code can be is 256 characters

Paul van Delst <paul.vandelst@noaa.gov> wrote in message

news:3BD471CF.3F9DA66@noaa.gov...
> Sean Raffuse wrote:
>>
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>
> --
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Subject: Re: Really really long format keywords
Posted by Paul van Delst on Mon, 22 Oct 2001 21:04:15 GMT
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Sean Raffuse wrote:
>
> Hehe. The longest a line of source code can be is 256 characters

Oh, that's more than enough. If you can't fit stuff into a line 256 columns long, you should change your approach.

Keep in mind I'm a feller who thinks anything past column 72 is a plus. :o)

paulv

--
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