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Subject: Re: printf formatting

Posted by [brian0918](#) on Thu, 30 Jun 2005 15:54:40 GMT

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Alright, I found a way to do it, but it's not that pretty. I have it check if (the total size of the array) mod (number of columns per row) = 0, and if it does, then it does that command, but if it doesn't equal 0, then:

```
printf,1,format='(1((1x,3(f3.1,1x)),1x,"\"),,$)',data(0:*)
printf,1," \"
```

If anyone sees any problems with this, or if you know of a much easier way to do this, please let me know.

Thanks.

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Subject: Re: printf formatting

Posted by [Craig Markwardt](#) on Thu, 30 Jun 2005 16:04:37 GMT

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"brian0918" <brian0918@gmail.com> writes:

```
> Alright, I found a way to do it, but it's not that pretty. I have it
> check if (the total size of the array) mod (number of columns per row)
> = 0, and if it does, then it does that command, but if it doesn't equal
> 0, then:
>
> printf,1,format='(1((1x,3(f3.1,1x)),1x,"\"),,$)',data(0:*)
> printf,1," \"
>
>
> If anyone sees any problems with this, or if you know of a much easier
> way to do this, please let me know.
```

To avoid the comparison, couldn't you use the ':' format code to terminate the output, and then always append the '\ ' with a separate command?

Anyway, your solution doesn't seem that ugly to me. Complex formatting requires complex solutions.

Good luck,  
Craig

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Craig B. Markwardt, Ph.D.    EMAIL: craigmnet@REMOVEcow.physics.wisc.edu  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
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Subject: Re: printf formatting  
Posted by [brian0918](#) on Thu, 30 Jun 2005 16:24:36 GMT  
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How could the : be implemented though? It would have to terminate after printing an unknown number of lines with a \ at the end of them. Can you provide an example?

Thanks.

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Subject: Re: printf formatting  
Posted by [brian0918](#) on Thu, 30 Jun 2005 16:27:05 GMT  
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Nevermind, I understand now. This also solves another problem I was going to ask. Thanks!

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Subject: Re: printf formatting  
Posted by [brian0918](#) on Thu, 30 Jun 2005 16:41:26 GMT  
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Here's my working version:

```
printf,1,format='1((1x,3(f3.1,1x)),:.,1x,""),$)',data(0:*)  
printf,1," \"
```

The 1(),\$ prevents it from printing a carriage return when it finishes. I'm not sure if the 1 is necessary, but it works.

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