
Subject: How to convert (concatenate) a string array to a string scalar?

Posted by [Kristian Kjaer](#) on Mon, 13 Mar 2000 08:00:00 GMT

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Given

numarray=[1342,1347,1355] ;, say, I wan't

strscalar='1342,1347,1355' ;, but

help,string(numarray)

gives: STRING = Array[3]

and

help,total(string(numarray))

gives an error.

How to convert (concatenate) a string array to a string scalar?

Thanks for any help,

Kristian Kjaer.

Subject: Re: How to convert (concatenate) a string array to a string scalar?

Posted by [mikef](#) on Mon, 13 Mar 2000 08:00:00 GMT

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In article <38CD6DA1.6E45DF18@astro.cornell.edu>,

J.D. Smith <jdsmith@astro.cornell.edu> wrote:

> David Fanning wrote:

>>

>> Alex Schuster (alex@pet.mpin-koeln.mpg.de) writes:

>>

>>> BEEEEEP! There's no need for that, here's a function which does what

>>> Kristian wants:

>>>

>>> function strconcat, numarray

>>> format = string('(', n_elements(numarray), '(I0,', "",")')

>>> str = string(numarray, format=format)

>>> return, strmid(str, 0, strlen(str) - 1)

>>> end

>>>

>>> In the example above, the format string which is created inside the

>>> function would be '3(I0,',")' , which tells the STRING routine to take

>>> three integers and add them to the string without leading blanks, but

>>> with a comma between them. The last strmid call only removes the last

>>> comma from the string.

>>

>> I only know one thing for certain about IDL, and that

>> is this:

>>

>> There is an inverse correlation between how certain

```

>> I am that something can only be done one way in IDL
>> and the number of alternative methods I will learn
>> about in the next 15 minutes.
>>
>> :-(
>
> Obfuscated IDL Contest Entry:
>
> s=string((reform((tmp=byte(strtrim(a,2)+[replicate("",n_elements(a)-1), ""))),$
> n_elements(tmp)))[where(tmp ne 0)])
>
>
> Given integer array "a".
>
> JD
>
> --
> J.D. Smith          [*]    WORK: (607) 255-5842
> Cornell University Dept. of Astronomy [*]    (607) 255-6263
> 304 Space Sciences Bldg.    [*]    FAX: (607) 255-5875
> Ithaca, NY 14853          [*]

```

Why not just use the format termination code:

```
s = string(a,format='('+strtrim(n_elements(a))+'(I0,;,""))')
```

(Coincidentally, I happened to need to do this this morning)

```

--
Mike Fitzgibbon      MRFitz@ns.arizona.edu
UofAz, LPL           phone:(520)626-4791
Systems Programmer, Pr.    fax: (520)621-6783
Mars Surveyor '98: TEGA
Mars Orbiter 2001: GRS

```

```

--
Mike Fitzgibbon  MRFitz@ns.arizona.edu
UofAz, LPL  phone:(520)626-4791
Systems Programmer, Sr. fax: (520)621-6783

```

Subject: Re: How to convert (concatenate) a string array to a string scalar?
 Posted by [John-David T. Smith](#) on Mon, 13 Mar 2000 08:00:00 GMT
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David Fanning wrote:

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  n_elements(tmp)))[where(tmp ne 0)])
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Given integer array "a".

JD

--

```
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Cornell University Dept. of Astronomy |*|   (607) 255-6263
304 Space Sciences Bldg.      |*|   FAX: (607) 255-5875
Ithaca, NY 14853          |*|
```

Subject: Re: How to convert (concatenate) a string array to a string scalar?
 Posted by [davidf](#) on Mon, 13 Mar 2000 08:00:00 GMT
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Alex Schuster (alex@pet.mpin-koeln.mpg.de) writes:

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:-)

Cheers,

David

--

David Fanning, Ph.D.
 Fanning Software Consulting
 Phone: 970-221-0438 E-Mail: davidf@dfanning.com
 Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
 Toll-Free IDL Book Orders: 1-888-461-0155

Subject: Re: How to convert (concatenate) a string array to a string scalar?
 Posted by [Alex Schuster](#) on Mon, 13 Mar 2000 08:00:00 GMT
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David Fanning wrote:

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> Kristian Kjaer (kristian.kjaer@risoe.dk) writes:
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>> gives: STRING = Array[3]
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>>
>> How to convert (concatenate) a string array to a string scalar?
>
> Now here (I feel pretty darn confident) is the perfect
> opportunity to use a loop in IDL. :-)
```

BEEEEEP! There's no need for that, here's a function which does what Kristian wants:

```
function strconcat, numarray
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```

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Alex

--

Alex Schuster Wonko@weird.cologne.de PGP Key available
alex@pet.mpin-koeln.mpg.de

Subject: Re: How to convert (concatenate) a string array to a string scalar?

Posted by [John-David T. Smith](#) on Tue, 14 Mar 2000 08:00:00 GMT

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Mike Fitzgibbon wrote:

```
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>
> (Coincidentally, I happened to need to do this this morning)

```

Because it's not nearly obfuscated enough. And Alex already did that one.

JD

--

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