
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

[View Forum Message](#) <> [Reply to Message](#)

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
