
Subject: Re: [Q] How does one EXPAND an ARRAY in IDL ? i.e opposite of sub-array

Posted by [ryba](#) on Wed, 25 Jan 1995 20:11:15 GMT

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In article <1995Jan25.181418.25048@ptolemy-ethernet.arc.nasa.gov>, mombasa@kronos.arc.nasa.gov (Tarang Kumar Patel) writes:

|> I am dealing with an ARRAY of structures, but the question applies to all
|> arrays. I know one can take subarrays to shrink an array, but how about if one
|> wants to extend the size of one how does one achieve this. The need arises from
|> the simple fact that I have a computed array, so when I know that all the
|> elements in the array are filled I'd wish to extend the array. As I am dealing
|> with only a 1 dimensional array this should be pretty easy - so I thought.

(Don't blame me his lines are too long)

To extend an array of structures, use REPLICATE()

let S be an array of structures, of type SSNAME

S = [temporary(S), replicate({SSNAME}, n_new_elements)]

if you just have a structure tag and aren't appending data, you can avoid the concatenation operator and just use replicate (I do that all the time to create the array of structures prior to a READU or other input statement).

Also note the use of TEMPORARY(). To extend an anonymous structure, you can replace {SSNAME} with S(0).

--

Dr. Marty Ryba | Generation X:
MIT Lincoln Laboratory | Too young to be cynical,
ryba@ll.mit.edu | too old to be optimistic.

Of course nothing I say here is official policy, and Laboratory affiliation is for identification purposes only, blah, blah, blah....

Subject: Re: [Q] How does one EXPAND an ARRAY in IDL ? i.e opposite of sub-array

Posted by [amaravad](#) on Thu, 26 Jan 1995 15:55:20 GMT

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In article <1995Jan25.181418.25048@ptolemy-ethernet.arc.nasa.gov>, Tarang Kumar Patel <mombasa@kronos.arc.nasa.gov> wrote:

>
> Hi,
>

> I am dealing with an ARRAY of structures, but the question applies to all
> arrays. I know one can take subarrays to shrink an array, but how about if one
> wants to extend the size of one how does one achieve this. The need arises from
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> elements in the array are filled I'd wish to extend the array. As I am dealing
> with only a 1 dimensional array this should be pretty easy - so I thought.
>
>
> Thanks in advance.
>
> Tarang
>
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> The views and opinions stated are my own, and not those of any organization that I may be
associated to.
>
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associated to.

This may not be the most efficient answer to your problem. But, I have
handled such a situation in the past by simply calling a routine
like 'CONCATENATE_ARRAYS'. Ofcourse this is a routine that you have
to write your self. Write results of computation to a temporary
array, then concatenate this temporary to your main array.

Hope this helps.

ratty

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