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Subject: Re: allocating data to different array on each loop step  
Posted by [David Fanning](#) on Sat, 12 Nov 2005 16:25:13 GMT  
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snfinder@naver.com writes:

- > Tha data in loop is also array not a single value
- > Therefore I will have several arrays after loop operation.

I would do something like this:

```
arrays = PtrArr(24)
FOR j=0,23 DO BEGIN
  ...calculation to obtain array of whatever size
  arrays[j] = Ptr_New(thisLoopArray, /No_Copy)
ENDFOR
```

Now you have a pointer array. Each element in the array is a pointer to another array of variable length.

```
array1 = *arrays[0]
array2 = *arrays[1]
...
array24 = *arrays[23]
```

Be sure to free your pointers when you are done with them:

```
Ptr_Free, arrays
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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