hocmin,

<hocmin@gmail.com> wrote in message
 news:1128351838.383585.129360@g14g2000cwa.googlegroups.com.. .
> I've got a situation where I need to display a multidimensional array
> in a widget_text. The only way I can figure out how to do it is to
> create a complex structure of nested for loops for each dimension.
> Something similar to how print displays the data would work (as long as
> I could add an index before), but I can't get that output into a
> variable.
>
> Does anyone know of an elegant method for displaying multidimensional
> data in IDL?

The STRING function can be used to get the same lines of text that IDL
prints with PRINT:

```
IDL> a=bindgen(3,2,3,2)
IDL> print,a
  0  1  2
  3  4  5

  6  7  8
  9 10 11

 12 13 14
 15 16 17

 18 19 20
 21 22 23

 24 25 26
 27 28 29

 30 31 32
 33 34 35

IDL> s=string(a,/print)
IDL> help,s
S            STRING    = Array[17]
IDL> print,s,format='(A)'            ; To see each on its own line
  0  1  2
  3  4  5
```

```
 6  7  8
 9 10 11

12 13 14
15 16 17

18 19 20
21 22 23

24 25 26
27 28 29

30 31 32
33 34 35
```

Some further trickery based on the dimensions of the array could be used to
stuff indicators in the right places (like: "a[*,*,0,0]" before the first 2D
section) if that's what you meant by "add an index before".

Hope this helps.

Cheers,
--
-Dick

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