
Subject: Re: list manipulation

Posted by [Vincent Sarago](#) on Sun, 18 Dec 2011 12:33:48 GMT

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Hello Greg,

normally with the List object you have to use the 'FindValue' method :

```
IDL> A = indgen(10)
IDL> B = indgen(10) + 10
IDL> C = indgen(3) + 50
IDL> lis = list(a,b,c, /extract)
IDL> d = l.FindValue(10)
IDL> print, d
      10
```

vincent

Subject: Re: list manipulation

Posted by [d.poreh](#) on Sun, 18 Dec 2011 12:43:13 GMT

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On Dec 18, 4:33 am, Vincent Sarago <vincent.sar...@orange.fr> wrote:

```
> Hello Greg,
>
> normally with the List object you have to use the 'FindValue' method :
>
> IDL> A = indgen(10)
> IDL> B = indgen(10) + 10
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> IDL> lis = list(a,b,c, /extract)
> IDL> d = l.FindValue(10)
> IDL> print, d
>      10
>
> vincent
```

that is not working for me!!!

Dave

Subject: Re: list manipulation

Posted by [David Fanning](#) on Sun, 18 Dec 2011 14:59:01 GMT

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DavePoreh writes:

```
>
> On Dec 18, 4:33 am, Vincent Sarago <vincent.sar...@orange.fr> wrote:
>> Hello Greg,
>>
>> normally with the List object you have to use the 'FindValue' method :
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>> IDL> A = indgen(10)
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>> IDL> d = l.FindValue(10)
>> IDL> print, d
>>      10
>>
>> vincent
>
> that is not working for me!!!
```

A common pedagogical device, used sometimes on exams, and extensively in newsgroups such as this, is to throw a little misdirection into the answer by slightly mistyping one of the otherwise clear directions. This not only gives the end user a sense of accomplishment in figuring something out for him or herself, but allows the answer provider to imagine that he isn't doing ALL the damn work!

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: list manipulation
Posted by [greg.addr](#) on Sun, 18 Dec 2011 18:22:43 GMT
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Thanks for that, Vincent (and the pedagogical device wasn't wasted on me!) This extract keyword is what I need, I think - except that it doesn't work the way I hoped in my case:

```
IDL> a=list()
IDL> a.add,[1,2,3]
IDL> a.add,2
IDL> a.add,[3,4,5]
IDL> b=list(a,/extract)
IDL> print,b
  1    2    3
  2
  3    4    5
```

I thought - ok, it thinks that's just one element, so what if I add another:

```
IDL> b=list(a,[1],/extract)
IDL> print,b
  1    2    3
  2
  3    4    5
  1
```

Still no. How would you get [1,2,3,2,3,4,5] from a?

cheers,
Greg

Subject: Re: list manipulation
Posted by [greg.addr](#) on Sun, 18 Dec 2011 18:29:30 GMT
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I tried like this, which works:

```
IDL> b=list(a[0],a[1],a[2],/extract)
IDL> print,b
  1
  2
  3
  2
  3
  4
  5
```

..but in real life, 'a' contains hundreds of short arrays, so that line's impractical. The following, which I could easily make - and would expect to be equivalent - doesn't work:

```
IDL> b=list(a[[0,1,2]],/extract)
IDL> print,b
  1    2    3
```

2
3 4 5

Am I missing something obvious?

cheers,
Greg

Subject: Re: list manipulation
Posted by [d.poreh](#) on Sun, 18 Dec 2011 18:46:18 GMT
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On Dec 18, 10:29 am, greg.a...@gmail.com wrote:

> I tried like this, which works:

>
> IDL> b=list(a[0],a[1],a[2],/extract)
> IDL> print,b
> 1
> 2
> 3
> 2
> 3
> 4
> 5

> ..but in real life, 'a' contains hundreds of short arrays, so that line's impractical. The following, which I could easily make - and would expect to be equivalent - doesn't work:

>
> IDL> b=list(a[[0,1,2]],/extract)
> IDL> print,b
> 1 2 3
> 2
> 3 4 5

> Am I missing something obvious?

>
> cheers,
> Greg

Now it is something that sound working!!

Cheers,
Dave
