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Subject: Re: "foreach" loops in IDL  
Posted by [rtk](#) on Fri, 16 Jan 2009 18:54:02 GMT  
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On Jan 16, 11:30 am, alaniwiuse...@gmail.com wrote:  
> In case anyone's interested, I've produced a little hack that lets you  
> have "foreach" loops in IDL

Neat hack!

Along the same lines, I have a set of DLMs here that add things like  
foreach, map, filter, reduce, etc. to IDL along with lambda functions  
and lists:

<http://www.ittvis.com/info/hof/>

For example, with the foreach DLM, your example becomes:

```
foreach, lambda('x: print, x', /P), myarray
```

There is also a pure IDL version for functions called 'each()' which  
is quite useful.

Map, filter and reduce work pretty much as they do in Python (with  
extensions). There are also compose, apply, cart, accumulate, and  
group higher-order functions. With cart() it is possible to do the  
equivalent of Python list comprehensions.

If you try it and have any questions let me know.

Ron  
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