Subject: Re: Inheritance query
Posted by Struan Gray on Thu, 11 Nov 1999 08:00:00 GMT
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Martin Schultz, m218003@modell3.dkrz.de writes:

> why do you use _REF_EXTRA in the procedure header
> but then pass it on to SuperClass via _EXTRA?

I freely admit that I don't understand the help files for _EXTRA and _REF_EXTRA. I found by trial and error that the way I do it in my SLFoWid examples allows extra keywords to be passed through to procedures *and* for the results to be passed back to the main program level. That is, if you have three procedures:

```
pro level3, result3=result3, _ref_extra=extra
   result3=3
end


pro level2, result2=result2, _ref_extra=extra
   result2=2
   level3, _extra=extra
end


pro level1, result1=result1, _ref_extra=extra
  result1=1
  level1, _extra=extra
end
```

and call: level1, result1=result1, result2=result2, result3=result3 you end up with the expected numbers in result1,2,3.

The downside is that the intermediate procedures have no access to keywords other than their own (ie, in level2, the variable result3 is undefined, even after the call to level3). In object programming this enforces a tidy programming style, where parameters are only dealt with at the object level where they are declared, but in general that might be too strong a restriction and then the only cure (that I found) is to add the wanted keywords to the intermediate procedures explicitly.

Struan