Subject: Re: accesing variables defined in a higher program level
Posted by David Fanning on Thu, 06 Feb 2003 16:52:36 GMT
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Isa Usman (eepisu@bath.ac.uk) writes:

```
> I am trying to get a function to use variable values that are defined in a
> higher level procedure. Since COMMON blocks can't be used in functions is
> there a way round this? here is an example of what i am trying to do;
>
> Pro high_level
> x=1
> y=1
> z=1
>
> I=integrate('f_x',z)
> end
>
> function integrate,z
> ........
> ........
> call function f_x
> i=........
> return,i
> end
>
> function f_x, z
>     w=x+y+z
> return, w
> end
```

What makes you think COMMON blocks can't be used in functions?
They can be used in functions, procedures, main-level programs,
and--in fact--anywhere in IDL.

Rearranging your code the way it will eventually be in a file
(if you want it to work, that is), why not something like this:

```
function f_x, z
COMMON data, x, y
   w=x+y+z
return, w
end

function integrate, f_x, z
value = call_function(f_x, z)
print, value
return,value
```

```
end


Pro high_level
COMMON data, x, y
x=1
y=1
z=1
I=integrate('f_x', z)
end
```

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