Subject: regarding scope of variables
Posted by IDLmastertobe on Sat, 26 Nov 2005 03:33:12 GMT

Hi, I have an array of data and I am trying to keep a copy of it so that i
can restore the origianl data after certain operations. however I found
everytime it reiterates the function, the variable that keeps the copy
would go out of scope and my copy is gone. following is part of my code:

```
if(size(ydata, /n_dimensions) eq 3) then begin
if(!firsty eq 1) then begin
yarr = ydata
!firsty=0
endif
ydata = smooth(yarr, [1, !smo, !smo])
oyimage->SetProperty, data = ydata
endif
```

however, the second time when this code is called, the yarr variable
becomes undefined since it goes out of scope. What it copied in the first
time is gone. Since I have no information on the size of the array i'm
copying, i cannot preset an array as system variable to run. Does anyone
have any idea? Thanks.