Subject: Looping code for proccessing multiple files
Posted by Rick Walton on Wed, 30 Nov 2011 11:09:01 GMT
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Hi,

I'm very new to this game but would be grateful for some advice on
applying a simple process to multiple files.

See below for my code so far. The problem I am encountering is that
the routine will not run through the second for loop and attempts to
repeat the first for loop over and over on the first file that it
reads. Funnily enough, at first I accidentally used 'i' in both for
loops and this enabled both for loops to run but with the second
expression in the second for loop limited to the second expression in
the first for loop.

Please can anyone offer any help with this?

```
 N = N_ELEMENTS(FINDFILE('*Norm.var'))
     PRINT, 'Number of files: ', N

     myfile_array = FINDFILE('*Norm.var')

     FOR i = 0, N-1 DO BEGIN
         mv = readvar(myfile_array(i), /sr)          ;Reads
input file
 PRINT, myfile_array(i)

 mv2 = fltarr(31,31,252)                  ;Creates new array

 FOR j=0,251 do begin mv2(*,*,j)=avg(mv(4:35,4:35,j))        ;Takes
the average of region between co-ordinates 4 and 35 in x and y axes

 savevar, STRSUBST(myfile_array(i), '\\Norm.var', 'Norm Avg C1.var'),
mv2, /sr
                         ;Saves new file (mv2) with
file name adapted from original file name

 ENDFOR
     ENDFOR
END
```