Subject: Re: [question] on adding strings when reading file names Posted by Pepijn Kenter on Tue, 11 Nov 2003 18:31:42 GMT

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cmin wrote:
> Hi,
>
> I am new to this IDL group.
> I am trying to read multiple tiff images into my program.
>
  It was quite easy using C. But, since I am new to IDL, I am suffering.
>
> In C, it was something like the following:
> If I was reading frame0.tif, frame1.tif, frame2 ... frame9.tif
> I could run something like "read_frame frame%d.tif " and
  was able to read multiple frames.
  /******
   read frame.c
   ********
   int I, frames;
>
   char *ifile,ifile1[80];
   FILE *fpr;
>
>
>
   for(l=1;l<=9;l++){
     sprintf(ifile1,ifile,I);
>
>
   if(!(fpr=fopen(ifile1,"r"))){
    printf("cannot open file: %s\n",ifile1);
>
>
     exit(1);
   }
>
>
    .....
>
 I would like to do a similar stuff using IDL, but not quite sure
  how to catenate the strings.
 I hope some one can give me some help.
  Thanx.
You can use c-style formats in IDL, the syntax is a bit awkward. Try
something like this:
   for i = 1, 10 do begin
     filename=string(format='(%"frame%d.tif")', i)
     print, filename
```

openr, lun, filename, /get_lun ; read stuff free_lun, lun ; close the file endfor

Pepijn Kenter.