
Subject: Re: [question] on adding strings when reading file names

Posted by [Pepijn Kenter](#) on Tue, 11 Nov 2003 18:31:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

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 l, frames;
>  char *ifile, ifile1[80];
>  FILE *fpr;
>
>  for(l=1; l<=9; l++){
>    sprintf(ifile1, ifile, l);
>  }
>  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 concatenate 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.
