Subject: Re: simple query: including loop variable in filename? Posted by Spon on Fri, 14 Sep 2007 11:13:00 GMT

View Forum Message <> Reply to Message

```
On Sep 14, 11:34 am, id6...@googlemail.com wrote:
> Hello Folks.
>
> I'm stranded with server downtime (thankfully with net access!) and
> looking to prepare a start on some IDL; can someone tell me please if
> it's possible to include from a FOR loop the variable we are looping
> over in the filename of some kind of file?
> eg;
>
> FOR i=0,1 DO BEGIN
> device, filename='i.jpg'
> plot image, A
> ENDFOR
> so that I can produce filenames 0,1,2..etc.
> Thanks,
> David.
j=STRING(i)+'.jpg'
DEVICE, FILENAME=i
should do the trick
Chris
```

Subject: Re: simple query: including loop variable in filename? Posted by Brian Larsen on Fri, 14 Sep 2007 13:00:59 GMT View Forum Message <> Reply to Message

Subject: Re: simple query: including loop variable in filename? Posted by David Fanning on Fri, 14 Sep 2007 13:26:19 GMT View Forum Message <> Reply to Message

```
Brian Larsen writes:
> This is the right track but not quite what you want.  Doing this has
> a bunch of spaces in the front of the name...
> IDL> print, string(1)+'.jpg'
       1.jpg
>
> I do this all the time but you need to use trim.pro
> IDL> print, trim(1)+ '.jpg'
> 1.jpg
> You can get it here:
  http://sohowww.nascom.nasa.gov/solarsoft/gen/idl/string/trim .pro
Or...
 IDL> Print, StrTrim(j,2) + '.jpg'
if you just want to do it in IDL with what's under
the hood. :-)
Cheers,
David
```

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: simple query: including loop variable in filename? Posted by David Fanning on Fri, 14 Sep 2007 13:29:54 GMT

View Forum Message <> Reply to Message

```
David Fanning writes:
```

```
Or...
IDL> Print, StrTrim(j,2) + '.jpg'
if you just want to do it in IDL with what's under
the hood. :-)
```

Whoops! That article escaped too soon. Here is an article that goes into more depth on this topic:

http://www.dfanning.com/code tips/segfiles.html

Cheers.

David

--

David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: http://www.dfanning.com/
Sepore ma de ni thui. ("Perhaps thou speakest truth.")

Subject: Re: simple query: including loop variable in filename? Posted by R.G.Stockwell on Fri, 14 Sep 2007 15:32:19 GMT View Forum Message <> Reply to Message

```
<id6684@googlemail.com> wrote in message
news:1189766081.164014.99750@19g2000hsx.googlegroups.com...
>
    Hello Folks,
>
    I'm stranded with server downtime (thankfully with net access!) and
> looking to prepare a start on some IDL; can someone tell me please if
> it's possible to include from a FOR loop the variable we are looping
> over in the filename of some kind of file?
>
    eg;
>
    FOR i=0,1 DO BEGIN
> device, filename='i.jpg'
> plot_image, A
> ENDFOR
```

Others have answered, I just thought I'd add a tip to include a format='(i3.3)' command in your string commands, so that you print out the numbers as 001 002 003. That makes alphabetical listings go in order, and a bit more convenient to browse through the files.

Cheers, bob