
Subject: Re: creating multiple files

Posted by [David Fanning](#) on Tue, 07 Feb 2006 04:55:36 GMT

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bressert@gmail.com writes:

> I am currently writing a script in IDL where I'm trying to create
> multiple files. What is essentially being done is the following:
>
> 1) grabbing a large 4 by 400,000 matrix and then splitting it up by a
> specific criteria
>
> 2) splitting up the file will create about 12,000 different files
>
> 3) how do I routine a process where I can name a variable, i.e. sun'j'
> =
> where 'j' is an iterating number from 0 to 11,999.
>
> 4) afterwards, the script involves an openw and printf with file names
> of "sun'j'.dat".
>
> The last property that should be mentioned is that 'j' is a result of
> array processing. No loops are involved in the script.
>
> Thank you for regarding the inquiry and any advice would be greatly
> appreciated.

If "j" is any number between 0 and 11,999, and you want file names like:

```
sun5.dat
sun195.dat
sun11493.dat
```

Then you simply create your filename like this:

```
filename = 'sun' + StrTrim(j,2) + '.dat'
```

If you want filenames like this:

```
sun00005.dat
sun00195.dat
sun11493.dat
```

Then you create your filename like this:

```
filename = 'sun' + String(j, Format='(I5.5)') + '.dat'
```

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
