
Subject: Open text files consecutively without knowing names
Posted by [morganlsilverman](#) on Fri, 19 Jul 2013 16:22:41 GMT
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Hello,

I have several folders containing ascii files in each. The filenames within those folders are a grouping of numbers and letters corresponding to year, day, and other instrument characteristics (e.g 8358d47a.tps, 8358h41a.tps, 8358l35a.tps). Unfortunately there isn't a pattern or order to the filenames beyond the first couple digits which are connecting to the parent directory to easily open the files consecutively.

I want to open each file, read the data, then close and repeat on the next file. Is there a way to loop through the files in each directory without knowing specifically what the filenames are? I'm struggling with how to do this since.

Thank you. Sincerely,
Morgan

Subject: Re: Open text files consecutively without knowing names
Posted by [John Correia](#) on Fri, 19 Jul 2013 16:42:05 GMT
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On 07/19/2013 12:22 PM, Morgan Silverman wrote:

> Hello, I have several folders containing ascii files in each. The
> filenames within those folders are a grouping of numbers and letters
> corresponding to year, day, and other instrument characteristics (e.g
> 8358d47a.tps, 8358h41a.tps, 8358l35a.tps). Unfortunately there isn't a
> pattern or order to the filenames beyond the first couple digits which
> are connecting to the parent directory to easily open the files
> consecutively. I want to open each file, read the data, then close and
> repeat on the next file. Is there a way to loop through the files in
> each directory without knowing specifically what the filenames are?
> I'm struggling with how to do this since. Thank you. Sincerely, Morgan

Should be something like this:

```
files = file_search('/path/to/your/files/', '*.tps', COUNT=nfiles)
```

```
for i=0, nfiles-1 do begin
```

```
  nlines = FILE_LINES(files[i])  
  data = STRARR(nlines)  
  OPENR, lunit, files[i], /get_lun  
  READF, lunit, data  
  CLOSE, lunit
```

FREE_LUN, lunit

; Do some stuff here

endfor

Subject: Re: Open text files consecutively without knowing names

Posted by [morganlsilverman](#) on Fri, 19 Jul 2013 17:17:13 GMT

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On Friday, July 19, 2013 12:42:05 PM UTC-4, John Correira wrote:

> On 07/19/2013 12:22 PM, Morgan Silverman wrote:

>

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>

```
>
>
> nlines = FILE_LINES(files[i])
>
> data = STRARR(nlines)
>
> OPENR, lunit, files[i], /get_lun
>
> READF, lunit, data
>
> CLOSE, lunit
>
> FREE_LUN, lunit
>
>
>
> ; Do some stuff here
>
>
>
> endfor
```

This is great. Thank you very much.

Subject: Re: Open text files consecutively without knowing names
Posted by [Phillip Bitzer](#) on Fri, 19 Jul 2013 20:10:59 GMT
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Strictly speaking, you shouldn't need to close the lun if you use FREE_LUN:

http://www.exelisvis.com/docs/FREE_LUN.html

Just an FYI...
